

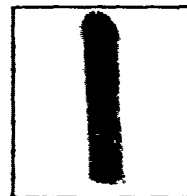
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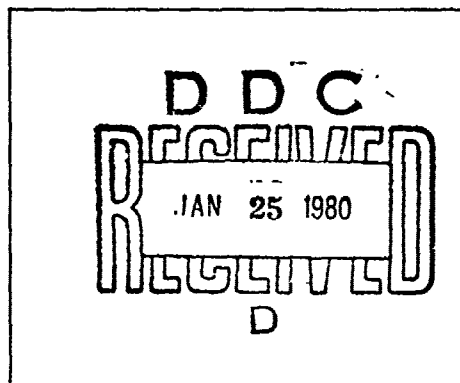
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DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

TO UNIFORM SUMMARY OF
ICE WEATHER OBSERVATIONS

BITBURG AB DL WBAN# 34049
N 49 57 E 006 34 FLD ELEV 1228 FT EDAB WMO # 10610

PARTS A-F

FOR FROM HOURLY OBS: DEC 68 - NOV 78
FOR FROM DAILY OBS: DEC 52 - JUN 68, NOV 68 - NOV 78

FEB 20 1979

FEDERAL BUILDING
ASHEVILLE, N. C.

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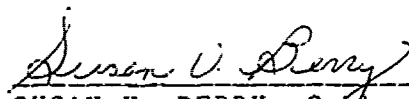
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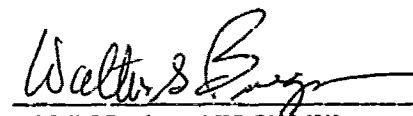
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SUSAN V. BERRY, 2nd Lt, USAF
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FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1 REPORT NUMBER USAFETAC/DS- 79/116	2 GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- BITBURG AB, BITBURG, GERMANY		5 TYPE OF REPORT & PERIOD COVERED Final rept.															
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for BITBURG AB, BITBURG, GERMANY It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* GERMANY

* BITBURG AB, DL

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

UNCLASSIFIED

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. FT	CALC. SIGN	WMO NUMBER
34049	BITBURG AB GERMANY	N 49 57	E 006 34	122-	EDAS	10610

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD FT	HT BARO	
1	Bitburg Germany	AB	Dec 52	Feb 57	N 49 57	E 006 34	1239	1210	24
2	Same	Same	Mar 57	Jul 68	Same	Same	1228	Same	24
3	Same	Same	Aug 68	Oct 68	Same	Same	Same	Same	10
4	Same	Same	Nov 68	Mar 71	Same	Same	Same	Same	14
5	Same	Same	Apr 71	Jun 71	Same	Same	Same	Same	14
6	Same	Same	Jul 71	Jul 72	Same	Same	Same	Same	14
7	Same	Same	Aug 72	Nov 78	Same	Same	Same	Same	14

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Dec 52	Located on top of Control Tower.	AN/GMQ-1	ML-204B (Wnd Pnl)	130 ft	
2	Mar 56	Located 60' E end of rnwy.	Same	Same	13 ft	
3	Mar 57	Located on Control Tower.	Same	N/A	135 ft	
4	Aug 57	Located ROS, 1825 ft N of touchdown point of rnwy 24.	Same	Same	15 ft	
5	Mar 59	Located on Control Tower.	Same	Same	145 ft	
6	Mar 60	Located 4800 ft from touchdown point rnwy 06, 500 ft SE of 160° of centerline.	AN/GMQ-11	RO-2A (Aug 59)	13 ft	
7	Mar 62	Located 1654 ft SE of Weather Stn.	Same	Same	40 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	FT ABOVE GROUND	
-	Sep 64	1. Located 500 ft from centerline, 1000 ft from end of runway 06. 2. Located 500 ft from centerline, 1000 ft from end of runway 04.	PC-11	PC-2A	13 ft	
9	Mar 65	1. Same 2. Same	Same Same	PC-362	Same Same	
10	Jan 71	1. Located 450 ft from centerline, 1000 ft from end of runway 06. 2. Located 550 ft from centerline, 1100 ft from end of runway 24.	Same Same	Same	Same Same	
11	Oct 75	1. Same 2. Same	Same Same	Same	Same Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAF

WEATHER CONDITIONS

140947 RITBURG AB GERMANY 2-74 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		12.4	.9	10.2		28.4	28.5	12.4			41.3	230
	03-05		21.1	1.0	10.1		30.2	31.0	9.5			39.5	230
	06-08		20.2	.8	10.1		29.7	30.5	8.0	.1		38.6	230
	09-11		16.9	.6	7.4		23.9	33.7	15.3			50.0	230
	12-14		16.7	.4	7.8		23.8	25.8	18.8			44.7	229
	15-17	.1	16.6		8.1	.1	22.9	19.5	22.7			42.2	230
	18-20		17.4	.5	8.2		24.0	18.9	19.3			38.2	229
	21-23		17.3	.4	8.3		24.7	22.5	15.4			37.8	230
TOTALS		.0	18.2	.6	8.8	.0	26.0	26.3	15.2	.0		41.5	738

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14994 STATION BITBURG AB GERMANY 2-72 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		12.9	.4	0.1		21.9	20.0	15.8	.2		36.1	846
	03-05		13.8	.1	10.6		24.6	24.6	13.1	.2		37.9	846
	06-08		13.5	.2	13.6		26.5	25.7	16.2			41.8	846
	09-11		11.0	.7	13.1		24.2	24.3	22.7			47.0	846
	12-14		10.5	.9	11.6		22.1	15.4	24.8			40.2	846
	15-17		10.5	.7	7.7		18.8	9.6	25.8			35.3	846
	18-20	.2	14.8	.1	7.9		22.0	9.1	21.5			30.6	846
	21-23	.1	13.2	.7	9.7		22.5	11.1	17.5			28.6	846
TOTALS		.0	12.5	.5	10.4		22.8	17.5	19.7	.1		37.2	6768

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/HAF

WEATHER CONDITIONS

34042 BITBURG AB GERMANY 9-70 YEARS 1948
STATION STATION NAME MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
Jan	00-02		13.9		7.2		19.6	10.2	17.3		.1	27.4	930
	03-05	.1	12.7		8.4		2.1	12.4	18.8			32.2	930
	06-08		13.8		8.4		21.3	20.8	25.9			46.7	930
	09-11		13.3		8.4		21.3	15.3	30.9			46.1	930
	12-14		9.5		5.8		14.8	5.7	24.7			30.4	930
	15-17	.1	13.0		3.9		16.0	1.9	20.2			22.2	930
	18-20	.1	14.2		4.4	.1	18.1	2.4	20.6			23.0	930
	21-23		13.4		6.3		18.6	6.2	13.1			19.4	930
TOTALS		.0	13.0		6.6	.0	18.7	9.7	21.2		.0	30.9	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34043 RITBURG AB GERMANY
STATION

9-7-

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		12.3		4.2		15.7	5.8	3.6			14.4	813
	03-05		12.4		5.2		16.8	9.6	11.7			21.3	840
	06-08		10.6		5.4		15.8	17.0	23.7			40.7	900
	09-11		10.6		4.2		14.7	6.3	24.2			30.6	899
	12-14		13.2		3.9		16.3	2.2	12.0			14.2	900
	15-17	.4	14.9		3.2		17.7	.6	7.8			8.3	900
	18-20	.4	13.7		2.1		15.6	1.3	9.9			11.2	899
	21-23		11.9		2.5	.1	14.2	1.6	8.4			10.0	810
TOTALS		.1	12.5		3.8	.0	15.9	5.6	13.3			18.8	6961

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

WEATHER CONDITIONS

34049
STATION

BITBURG AFB GERMANY
STATION NAME

9-7

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.8	11.4				11.4	7.2	3.1			15.4	826
	03-05	.1	13.0				13.0	16.5	12.0			28.4	859
	06-08	.5	13.5		.1		13.5	20.3	21.6			42.0	929
	09-11	.2	9.1		.1		9.2	8.4	21.0			29.4	930
	12-14	.4	11.4				11.4	1.7	7.6			9.4	930
	15-17	1.7	11.9			.1	12.0	.6	5.1			5.7	930
	18-20	2.3	11.6				11.6	1.6	6.6			8.2	930
	21-23	1.2	12.1				12.1	2.4	6.7			9.1	837
TOTALS		.9	11.8		.0	.0	11.8	7.4	11.1			18.5	7191

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34049 STATION BITBURG AB GERMANY

9-75

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.7	8.3				8.3	7.9	7.4			15.3	810
	03-05	.4	8.8				8.8	19.2	14.3			34.1	839
	06-08	.1	9.3				9.3	21.8	24.3			46.1	900
	09-11		8.8				8.8	6.2	19.0			25.2	900
	12-14	1.4	10.2				10.2	1.2	9.6			10.8	900
	15-17	3.0	12.1				12.1	.9	6.5			7.3	899
	18-20	1.6	10.2				10.2	.9	8.7			9.6	900
	21-23	1.2	8.4				8.4	4.8	9.6			14.4	811
TOTALS		1.1	9.5				9.5	7.9	12.4			20.4	6059

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

34049 STATION RITBURG AG GERMANY 19-7 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /CR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	1.2	5.7				5.7	5.9	7.8			13.7	918
	03-05	.4	7.2				7.2	19.0	12.9			31.9	921
	06-08	.2	9.8				9.8	21.9	25.3			47.8	921
	09-11	.1	9.2				9.2	5.0	21.3			26.3	921
	12-14	.8	8.3				8.3	.6	8.9			9.5	924
	15-17	2.1	9.3				9.3	.2	4.0			4.2	921
	18-20	2.4	10.0				10.0	.5	5.5			6.1	919
	21-23	1.3	7.8			.1	7.9	2.0	8.0			9.9	915
TOTALS		1.1	8.4			.0	8.4	5.9	11.8			18.7	7360

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34049
STATIONBITBURG AB GERMANY
STATION NAME

-9-7-

YEARS

AUG.
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG.	00-02	1.2	7.6				7.6	9.4	7.1			16.5	913
	03-05	1.1	6.6				6.6	20.2	18.4			30.6	914
	06-08	.4	7.7				7.7	30.5	19.6			50.1	915
	09-11	.1	7.4				7.4	9.7	14.2			33.9	915
	12-14	.8	5.7				5.7	1.1	12.2			13.3	920
	15-17	2.2	6.9				6.9	.2	8.2			8.4	915
	18-20	2.9	8.3				8.3	2.2	9.8			12.0	911
	21-23	1.9	7.5				7.5	4.2	8.5			12.7	909
TOTALS		1.3	7.2				7.2	9.7	12.5			22.2	7312

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34049
STATIONBITBURG AB GERMANY
STATION NAME

1970

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	.6	6.5				6.5	20.6	7.8			28.4	895
	03-05	.1	8.9				8.9	32.3	8.4			40.7	897
	06-08	.1	9.1				9.1	43.9	15.2			60.1	895
	09-11		10.6				10.6	22.2	25.8			48.0	696
	12-14	.1	9.4				9.4	5.0	16.3			21.3	633
	15-17	.7	9.7				9.7	1.3	7.9		.1	9.4	807
	18-20	.8	8.4				8.4	3.5	10.3			13.7	806
	21-23	.3	6.7				6.7	7.7	9.5			17.2	527
TOTALS		.3	8.7				8.7	17.1	12.8		.0	29.9	7171

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34043 RITBURG AB GERMANY
 STATION STATION NAME

1970

YEARS

JCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JCT	00-02	.2	13.0		.1		13.0	30.8	6.7			37.5	926
	03-05	.3	14.9		.2		15.1	38.7	4.3			43.0	930
	06-08		13.5	.1	.6		14.2	43.8	9.8			53.5	930
	09-11		12.2	.1	.1		12.4	35.3	17.0			52.4	928
	12-14	.1	11.7		.1		11.7	15.2	20.4			35.6	930
	15-17	.1	10.9		.1		10.9	7.3	20.0			27.3	930
	18-20	.2	11.6		.1		11.5	11.3	16.8			28.1	930
	21-23	.2	11.7		.1		11.7	20.1	8.5			28.6	930
TOTALS		.1	12.4	.0	.2		12.6	25.3	12.9			38.3	7434

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34049 RITBURG AB GERMANY
STATION STATION NAME

9-7-

YEARS

JULY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		19.2	.3	4.9		24.0	24.4	5.7			30.2	900
	03-05		21.4	.7	4.8		25.6	28.9	3.8			32.7	900
	06-08		24.7	.6	5.1		28.8	28.5	6.2			34.7	899
	09-11		19.0	.2	4.4		22.7	30.2	11.3			41.6	900
	12-14		18.3	.1	4.6		21.9	19.1	13.4			32.6	900
	15-17		19.1		3.8		21.9	13.6	12.1			25.7	899
	18-20	.2	17.6		4.9		20.9	14.9	10.8			25.7	898
	21-23		18.1	.2	5.0		22.2	18.7	5.5			24.2	897
TOTALS		.0	19.7	.3	4.7		23.5	22.3	8.6			30.9	7193

2

GLCS & CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/ IAC

WEATHER CONDITIONS

34062
STATIONBITBURG AB GERMANY
STATION NAME

2-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		13.9	1.3	7.6		22.5	30.2	8.8			39.1	929
	03-05		13.4	1.2	7.1		20.9	34.0	8.4			42.4	930
	06-08		11.3	1.6	10.9		23.1	33.5	10.0			43.5	930
	09-11		14.0	.4	8.6		22.8	32.7	8.9			51.7	929
	12-14		12.8	.1	8.6		21.0	25.7	20.3			46.0	930
	15-17		12.9	.6	7.4		20.0	22.7	20.9			43.6	929
	18-20		13.3	1.3	7.8		22.0	21.8	14.1			35.9	930
	21-23		14.8	1.5	8.4		24.1	23.3	12.9			36.2	930
TOTALS			13.3	1.0	8.3		22.1	28.0	14.3			42.3	7437

GLOBAL CLIMATELOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34043 STATION RITBURG AM GERMANY

2-73

YEARS

ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	18.2	.6	2.8	.0	26.0	26.3	15.2	.0		41.5	7438
FEB		.0	12.5	.5	17.4		22.8	17.5	19.7	.1		37.2	6768
MAR		.2	13.0		6.6	.2	18.7	9.7	21.2		.0	30.9	7440
APR		.0	12.5		3.8	.0	15.9	5.6	13.3			18.8	6961
MAY		.0	11.8		.0	.2	11.8	7.4	11.1			18.5	7191
JUN		2.1	9.5				9.5	7.9	12.4			20.4	6959
JUL		1.1	8.4			.0	8.4	6.9	11.8			18.7	7360
AUG		1.3	7.2				7.2	9.7	12.5			22.2	7312
SEP		.3	8.7				8.7	17.1	12.8		.0	29.9	7171
OCT		.1	12.4	.0	.2		12.6	25.3	12.9			38.3	7434
NOV		.0	19.7	.3	4.7		23.5	22.3	6.6			30.9	7193
DEC			13.3	1.0	8.3		22.1	28.0	14.3			42.3	7437
TOTALS		.4	12.3	.2	3.6	.0	15.6	15.3	13.8	.0	.0	29.1	86664

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAW data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

2

GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AF

XX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

34042

STATION

BITHUR AB WISCONSIN

STATION NAME

2-7

YEARS

-11

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	.5	33.2	6.7	43.5	1.	75.4	73.7	60.5	1.7		58.2	305
FEB		.7	47.7	3.0	33.8	1.7	69.0	66.2	67.1	.3		35.8	733
MAR		.9	50.0	.2	24.4	2.1	62.3	55.5	75.7			66.1	306
APR		3.7	54.2	.1	14.7	3.3	60.2	47.1	61.6			73.0	756
MAY		11.9	59.7		1.3	2.2	59.9	46.7	54.9			68.3	779
JUN		14.1	55.3			1.2	55.3	50.9	57.2			71.3	780
JUL		14.3	54.3			1.3	54.3	54.7	59.9			75.1	771
AUG		14.1	54.3			.3	54.3	62.0	58.6			77.9	768
SEP		4.7	48.9			.4	48.9	69.7	65.6			81.7	748
OCT		1.3	52.6	.1	2.3	.4	52.9	78.2	68.1			88.4	775
NOV		.4	60.4	1.3	19.8	.5	67.5	78.7	58.6	.1		87.8	773
DEC		.1	57.4	8.2	35.8	.5	73.8	77.7	58.1	.1		90.7	762
TOTAL'S		5.6	54.0	1.6	15.2	1.2	61.1	63.4	62.2	.2		81.2	9277

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00" equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0" equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0" equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2 GLOBAL CLIMATOLOGY BRANCH
USAF/ETC
AIR WEATHER SERVICE/AF

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

34047 BITBURG AB GERMANY

2-7

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	23.7	20.8	6.4	15.4	11.9	14.5	6.1	1.4						55.5	806	2.16	5.33	.06	
FEB	25.4	20.2	5.0	12.7	6.5	17.8	7.4	2.2	.3					50.4	734	2.09	5.36	.06	
MAR	27.3	19.2	6.3	11.9	8.0	8.9	5.0	1.7	.1					43.4	806	1.83	3.57	.09	
APR	20.7	19.2	5.5	11.9	7.0	10.5	5.7	.0						42.1	750	1.62	5.10	.31	
MAY	37.5	19.8	4.5	10.3	7.3	9.5	0.0	2.1	.5					42.7	779	2.29	5.72	TRACE	
JUN	42.5	15.4	4.6	9.2	0.9	10.3	5.4	4.0	.8					41.2	780	2.50	4.77	.07	
JUL	44.1	18.0	2.3	9.3	0.5	10.0	0.4	3.6	.6	.1				37.9	771	2.69	5.31	1.01	
AUG	44.1	14.7	4.3	9.3	0.1	11.2	6.4	3.1	.8					41.2	767	2.37	6.56	.22	
SEP	49.0	14.4	4.0	8.9	6.3	10.0	5.0	1.8	.6					36.7	717	1.92	4.26	.05	
OCT	46.0	16.1	5.2	11.2	5.6	7.5	5.1	2.0	.4					37.1	744	1.76	4.34	.05	
NOV	31.1	16.2	4.8	14.6	9.4	13.3	7.0	2.3	.7					52.7	746	2.77	0.50	.53	
DEC	24.9	23.8	5.5	16.1	8.1	12.1	7.0	1.8	.6					51.3	792	2.39	7.39	.27	
ANNUAL	37.5	19.1	4.9	11.6	7.8	10.9	6.4	2.2	.4	.0				44.3	2182	26.39			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

34049 BITEBURG AB GERMANY
STATION STATION NAME

52-78

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR.	APR	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV	DEC	ALL MONTHS
52												.93	
53	.25	.32	.08	.50	.36	1.02	3.29	.76	.67	.43	.20	.85	3.29
54	.20	.26	.39	.57	.41	.49	.64	.63	.67	.44	.35	.58	.44
55	.58	.66	.56	.10	.49	.93	1.36	.44	.19	.27	.22	.80	1.36
56	.36	.36	.94	.51	.77	.49	.92	.37	.70	.40	.47	.44	.94
57	.25	1.07	1.02	.39	.32	1.55	1.10	.24	.33	.44	.24	.28	1.55
58	.50	.58	.27	.88	1.13	.32	.75	1.36			*	.30	
59	.63	.03	.35	.58	.49	.45	.64	.75	.04	.32	.59	.78	.78
60	.38	.57	.40	.10	.43	1.02	.97	.38	1.27	.38	.48	.87	1.27
61	.41	.25	.17	.27	.35	1.96	.79	.56	.67	1.36	.55	.69	1.96
62	.74	.76	.94	.52	.28	.05	.38	.51	.49	.29	.44	.49	.94
63	.45	.21	.74	.18	.71	.52	.88	.76	.40	.56	2.10	.16	2.10
64	.36	.28	.60	.45	.31	.43	1.15	.44	.88	1.05	1.37	1.07	1.37
65	.96	.19	.63	.42	1.12	.78	1.59	.60*	.77	.42	.85	1.02	1.59
66	.50	.62	.33	*TRACE		1.36	.80	.52	.25	1.34	.92	1.04	
67	.14	.84	.42	.30	.87	.86	.69	.63	1.55	.92	.78	1.23	1.55
68	.47	.43	.43	.22	.48	.73				*	.14	.38	
69	.20	.61	.56	.80	.39	.65*	.46*	1.03*	.19	.03	.53	.44	* 1.03
70	.52	.63	.86	.42	1.01	.72	.64	.52	.98	.70	.54	.35	1.01
71	.65	.29	.30	.58	1.17	1.28	.66	.54	.35	.55	.98	.19	1.28
72	.24	.59	.47	.33	.71	.54	1.09	1.08	1.18	.11	1.48	.27	1.08
73	.35	.43	.29	.41	.40	.23	.39	.83	.74	.80	.58	.37	.83
74	.14	.29	.27	.34	.69	.79	.46	.36	.41	.66	.28	.30	.79
75	.25	.27	.76	.44	.40	.63	.43	1.11	1.37	.09	.93	.46	1.37
76	.39	.25	.36	.14	.30	.52	.66	.12	.44	.55	1.75	.28	1.75
77	.60	1.18	.41	.49	.48	.74	.86	1.75	.20	.51	.39	.38	1.75
78	.32	.36	.83	.24	.68	1.00	.43	.32	.48	.18*	.26		
MEAN	.417	.463	.515	.407	.590	.772	.907	.649	.648	.535	.740	.575	1.312
S.D.	.197	.265	.256	.196	.281	.422	.592	.369	.410	.354	.527	.316	.405
TOTAL OBS.	805	734	806	750	779	780	771	767	717	744	746	732	9182

NOTE * (BASED ON LESS THAN FULL MONTHS)

UNITED STATES AIR FORCE
 AIRCRAFT SERVICE/AC

XXXXXXXXXXXX
EXTREME VALUES
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

44047 BITBURG AB GERMANY
 STATION STATION NAME

52-78
 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
52												3.09	
53	.66	1.11	.09	2.17	1.00	3.80	5.31	1.50	1.43	.90	.55*	1.60	*20.12
54	1.44	.97	1.60	.93	1.26	1.75	2.99	3.21	3.31	2.07	1.71	2.56	23.80
55	2.32	3.05	1.30	.31	2.30	3.82	2.90	1.05	.66	.71	.69	2.69	22.09
56	3.06	1.09	2.15	2.23	2.61	2.70	2.58	2.74	1.95	2.10	1.36	2.07	26.73
57	1.08	5.15	3.22	.53	1.12	2.94	3.41	1.26	2.27	.80	.73	.81	23.32
58	2.90	3.82	.59	1.70	5.72	1.54	1.43	4.34				*1.45	
59	2.89	.06	1.37	2.54	1.57	1.69	1.41	2.51	.05	1.36	1.92	3.51	20.87
60	2.37	1.92	1.44	.54	1.38	2.41	2.90	3.08	2.38	2.16	2.74	2.58	25.40
61	2.92	1.58	.42	2.03	1.56	4.77	3.04	1.97	2.20	3.69	3.22	3.74	31.00
62	3.20	2.84	2.78	2.20	1.94	.07	1.77	1.39	2.42	.63	1.72	2.47	23.42
63	1.19	.95	2.62	1.04	2.09	2.52	1.28	3.39	1.42	1.92	6.50	.27	25.13
64	1.23	1.10	1.56	1.81	1.32	1.94	1.90	2.07	2.43	3.18	4.19	3.24	25.07
65	5.33	.98	2.53	3.10	4.36	3.74	4.73	2.37*	3.68	.82	5.21	7.39	*44.24
66	2.47	3.35	2.05		*TRACE	4.58	5.26	2.37	.86	4.25	3.68	5.23	
67	.92	2.16	2.38	1.19	2.76	2.15	2.66	2.80	3.94	4.34	2.86	3.21	31.37
68	2.97	2.54	1.53	1.05	2.31	2.60					*.53	2.17	
69	1.41	2.39	2.12	2.81	1.92	2.53*	1.01*	3.15*	.33	.05	3.60	1.26	*22.63
70	2.61	5.38	3.57	2.23	3.29	2.25	2.91	2.42	2.41	1.98	2.41	2.06	33.52
71	2.96	1.39	1.18	1.75	3.34	3.67	1.43	1.86	.98	1.25	3.33	.65	23.81
72	1.35	1.13	1.79	2.28	3.47	1.66	4.08	3.28	1.74	.53	3.33	.57	25.23
73	1.52	2.59	.39	1.84	2.94	.94	1.77	1.50	1.63	1.81	2.07	1.58	20.58
74	1.11	.91	1.57	.78	1.47	2.47	1.50	1.00	1.65	2.74	2.49	1.60	19.29
75	1.38	.39	2.95	2.14	1.16	1.96	1.68	2.90	4.26	.30	3.64	.62	22.38
76	2.02	.80	1.09	.44	1.11	.56	2.08	.22	1.69	2.59	3.83	1.71	19.14
77	3.28	5.08	1.79	2.05	1.80	3.38	3.20	6.56	.82	1.68	2.49	2.04	34.17
78	1.58	1.50	3.52	.85	3.38	2.39	2.22	1.12	1.70	.40*	.62		
MEAN	2.161	2.087	1.831	1.624	2.288	2.499	2.685	2.369	1.918	1.761	2.773	2.388	25.125
S.D.	1.049	1.477	.941	.795	1.161	1.143	1.195	1.303	1.017	1.224	1.439	1.591	4.555
TOTAL OBS.	806	734	806	750	779	780	771	767	717	744	746	782	9182

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/40

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

34049 BITBURG AB GERMANY

2-7

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	55.2	42.2	10.0	8.5	4.3	1.0	.1	.4						22.4	806	6.1	19.4	TRACE
FEB	56.4	18.8	9.4	8.7	2.7	.8	.8	.1	.1					22.8	734	6.3	20.7	TRACE
MAR	79.8	13.3	5.4	3.8	1.4	.4	.4	.4						11.9	806	3.6	17.3	.0
APR	84.0	10.7	4.0	.5	.4	.3	.1							5.3	750	1.0	9.5	.0
MAY	97.8	1.8	.3	.1										.4	780	TRACE	.9	.0
JUN	100.0														789	.0	.0	.0
JUL	100.0														771	.0	.0	.0
AUG	100.0														770	.0	.0	.0
SEP	99.9	.1													746	TRACE	TRACE	.0
OCT	97.5	2.1	.4											.4	775	TRACE	.4	.0
NOV	79.4	12.5	3.9	2.8	.8	.1	.4	.1						8.1	777	2.3	11.3	.0
DEC	63.9	19.7	8.1	5.9	1.4	.4	.5	.3	.1					16.4	782	4.7	14.9	.0
ANNUAL	84.2	8.4	3.3	2.9	.8	.2	.2	.1	.0					7.3	9279	24.0		

2
FEDERAL CLIMATOLOGY BRANCH
USAF/AFAL
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

34045 BITBURG AB GERMANY
STATION

52-78

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AU	SEP.	OCT.	NOV.	DEC	ALL MONTHS
52												8.5	
53	2.5	19.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	*TRACE	* 12.0
54	5.3	3.7	2.3	TRACE	.0	.0	.0	.0	TRACE	.0	TRACE	TRACE	11.2
55	5.9	14.6	9.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	1.1	39.9
56	4.3	7.2	.4	.6	.0	.0	.0	.0	.0	.0	1.0	2.0	15.5
57	2.7	4.5	.0	TRACE	.9	.0	.0	.0	.0	.0	.4	1.2	10.1
58	7.2	6.4	4.5	2.1	.0	.0	.0	.0	.0	.0	TRACE	*TRACE	* 20.2
59	12.4	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.7	21.2
60	9.6	5.6	TRACE	.4	.0	.0	.0	.0	.0	TRACE	TRACE	12.0	26.6
61	6.4	3.5	.5	.0	.0	.0	.0	.0	.0	.0	5.1	TRACE	15.6
62	.5	9.3	8.5	.3	.0	.0	.0	.0	.0	TRACE	11.3	6.7	36.0
63	5.9	3.6	2.4	.1	.0	.0	.0	.0	.0	.0	.0	.9	17.2
64	4.5	2.5	1.3	.1	.0	.0	.0	.0	.0	TRACE	TRACE	14.9	25.2
65	8.1	7.5	1.2	.3	.0	.0	.0	.0	.0	.0	7.3	6.0	30.4
66	2.0	TRACE	7.0	.0	.0	.0	.0	.0	.0	.0	9.8	2.6	
67	4.5	.9	.1	.2	.1	.0	.0	.0	.0	.0	.8	10.3	16.9
68	17.2	7.1	2.5	.5	TRACE	.0	.0	.0	.0	.0	* 1.1	11.7	
69	1.4	20.7	1.1	4.8	TRACE	.0*	.0*	.0*	.0	.0	4.5	7.0	* 39.5
70	14.9	14.2	17.3	2.5	.0	.0	.0	.0	.0	TRACE	.2	7.8	57.0
71	2.1	2.0	7.7	.0	.0	.0	.0	.0	.0	.0	4.2	.3	16.2
72	9.9	.8	.6	TRACE	.0	.0	.0	.0	.0	TRACE	5.1	.0	16.4
73	2.8	13.4	.5	2.6	.0	.0	.0	.0	.0	.0	5.2	7.7	38.5
74	TRACE	2.0	6.0	.0	TRACE	.0	.0	.0	.0	TRACE	.3	1.6	9.9
75	.5	.5	16.8	9.5	TRACE	.0	.0	.0	.0	.0	TRACE	.1	27.8
76	2.3	3.5	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.6	13.6
77	13.0	.2	TRACE	1.3	.0	.0	.0	.0	.0	.0	.3	.9	15.7
78	4.2	7.4	2.9	.3	TRACE	.0	.0	.0	.0	.0	*TRACE		
MEAN	6.09	6.27	3.58	1.04	.04	.00	.00	.00	TRACE	.03	2.31	4.70	22.69
S.D.	5.162	5.762	4.909	2.114	.180	.000	.000	.000	.000	.092	3.411	4.578	11.736
TOTAL OBS.	806	734	806	750	780	780	771	770	748	775	777	762	9279

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

34040
STATION

RITBURG AB GERMANY
STATION NAME

2-7
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	65.4	15.7	7.8	4.0	2.3	0.2	.0							27.9	774			
FEB	67.4	9.1	7.0	5.7	3.7	2.2	2.2							23.4	734			
MAR	80.2	7.6	1.7	2.0	.7	1.6	.1							6.2	804			
APR	95.0	.8	.3			.1								.4	756			
MAY	100.0														760			
JUN	100.0														780			
JUL	100.0														772			
AUG	100.0														770			
SEP	100.0														748			
OCT	100.0														775			
NOV	95.2	2.7	1.4	.9	.5	.3								3.1	775			
DEC	73.9	15.5	5.3	2.7	1.2	1.4								10.6	735			
ANNUAL	90.2	4.3	2.0	1.3	.9	1.0	.3							5.4	9207			

2.

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(FROM DAILY OBSERVATIONS)

YEARS

氣血兩虧

100

THE

USAF ETAC FORM 0-88.5 (OLD)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VREL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

U.S. AIR FORCE
 AIR FORCE
 AIR FORCE SERVICE/NAVY

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

34045 STATION NAME: SITUATION: AL GERMANY

59-78

YEARS

DAILY PEAK WINDS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59								ESE 25E	28SSW	41S	30W	46	
60	W 39SW	31WNW	34WNW	40WSW	29W	29WSW	31NW	32WSW	27W	34WSW	43SW	53	SW 5
61	SW 42WNW	41WSW	30W	26W	31WSW	25W	33WNW	34W	33SSW	36WSW	36WNW	41	SW 4
62	W 56W	49SW	36ENE	35W	35NW	28WNW	32SW	37WNW	45NE	25NW	25WNW	51	W 5
63	E 31NE	22SSW	38WSW	30WSW	28NW	34SW	32WSW	38WNW	33SW	27SW	42E	25	SW 4
64	E 23W	29NE	27WSW	35WSW	2WSW	31W	30SSW	38SW	23SW	48WSW	41SSW	34	SW 4
65	WSW 45WNW	35SSW	40W	32WNW	40S	50WSW	36W	34SSW	42WSW	32W	49W	56	W 5
66	W 48W	38W	58	W 19W	38SSE	54SW	25SW	20WSW	24WNW	44WSW	43		
67	W 29W	60W	41WSW	42W	45W	49W	29W	43S	30WSW	44SSW	37W	37	W 5
68	W 38S	34W	44W	39W	33W	31				9/	3226/	39	
69	29/	2824/	36 8*	2827/	3925/	35 1/	2722*	3831*	28 6*	2024/	2025/	42 8/	26/ 25/ 42
70	11/	2829/	5226/	3833/	5017/	38 8/	3126/	5026/	3411*	3327/	3727/	3932/	36/ 29/ 52
71	26/	4019/	40 3/	3424/	3320*	4330*	3823/	4425/	4821/	2924/	3520/	4229/	37/ 25/ 46
72	7/	3428/	3625/	5124/	4425/	4727/	3912/	4324/	4029/	30 7/	2429/	5023/	29/ 25/ 51
73	20/	2329/	42 6/	2728/	4510/	3123/	3023/	3225/	3224/	3528/	3628/	3433/	38/ 28/ 43
74	24/	5521/	5224/	56 2/	3030/	3524/	3728/	4028/	3325/	3728/	4028/	4725/	56/ 24/ 56
75	29/	39 8/	2825/	2824/	35 7/	3224/	3629/	3423/	3022/	3627/	3125/	5521/	40/ 25/ 55
76	26/	5921/	3826/	28 4/	3427/	3028/	2826/	2910/	2630/	2818/	2420/	4824/	39/ 26/ 52
77	23/	3324/	3323/	3429/	4228/	3123/	3824/	3021/	2824/	2428/	3626/	5228/	40/ 26/ 52
78	29/	44 9/	3823/	4425/	3132/	2729/	3974/	3119/	2729/	3830/	2727/	23	
MEAN	38.4	38.4	38.2	36.8	33.8	33.9	35.9	33.3	33.3	32.2	40.6	40.2	51.3
S.D.	10.768	9.112	9.503	6.259	5.801	6.293	7.623	6.022	5.657	7.638	8.690	9.256	5.770
TOTAL OBS.	588	537	570	539	558	567	559	581	559	580	593	583	5818

NOTES * (BASED ON LESS THAN FULL MONTHS)

§ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

USAF ETAC FORM 0-88-5 (OU)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.2	.1								1.4	5.0
NNE	.2	.4	.4	.2								1.3	6.6
NE	.9	.6	.4	.2								2.2	5.4
ENE	1.5	1.9	1.6	.8	.3							6.1	7.0
E	2.3	7.0	4.1	1.6	.5							15.7	6.8
ESE	.2	1.1	.2		.1							1.6	6.0
SE	.8	.3										1.1	3.1
SSE	.5	1.2	.5	1.1	.1							3.4	8.4
S	1.2	2.4	3.5	1.6	.1	.1						6.9	7.9
SSW	.3	1.5	2.0	3.0	.6	.1						7.6	10.8
SW	1.0	1.9	4.1	4.5	.3	.4						12.3	10.0
WSW	.8	2.4	4.0	3.2	1.2	.8	.2	.1				12.6	11.2
W	.6	2.3	2.8	2.3	1.0	.1						9.0	9.5
WNW	.8	.6	.6	.4	.3							2.8	7.9
NW	.2	.2	.1	.3	.1							1.0	8.7
NNW	.2	.3										.5	3.8
VARB	2.9	.3	.1				.1					3.4	3.3
CALM												9.0	
	14.8	25.1	24.8	19.6	4.7	1.5	.3	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.9	.2	.1								2.2	4.0
NNE	.4	.4	.1	.1	.1							1.2	6.3
NE	.4	.3	.3	.4	.1							1.6	7.8
ENE	1.1	1.9	2.7	1.0	.3	.1						7.1	7.9
E	3.2	5.2	4.5	1.4	.5	.1						14.9	6.9
ESE	.9	.2	.2									1.3	3.8
SE	.1	.9	.3	.2								1.5	5.9
SSE	.3	1.4	.8	.2								2.7	6.1
S	1.7	2.5	3.7	2.3	.2							10.3	8.0
SSW	.6	1.5	2.7	2.8	.8							8.4	9.8
SW	.4	2.4	4.4	4.7	.8							12.7	10.1
WSW	.2	1.5	3.8	2.7	1.7	.3						10.2	11.6
W	.9	2.0	2.8	2.0	.6	.4	.1					8.9	10.0
WNW	.5	.1	.3	.4								1.4	7.6
NW	.3	.3	.1	1.0								1.7	8.7
NNW	.5	.1		.2								.9	5.8
VARBL	1.7	1.2		.1	.1	.2	.1					3.4	6.1
CALM												9.6	
	14.4	22.8	26.9	19.7	5.3	1.2	.2					100.3	7.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.M.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.3	.4									1.7	4.9
NNE	.6	.6	.3	.4								2.0	5.9
NE	.4	.6										1.1	3.9
ENE	1.3	3.0	2.8	.8	.2	.1						8.2	7.3
E	1.7	4.0	3.8	1.5	.6	.1						11.7	7.6
ESE	.5	1.3	.1									1.3	4.1
SE	.4	1.0	.2	.3								1.9	6.2
SSE	1.0	1.7	.1	.2	.1							3.1	5.3
S	.6	3.1	2.3	2.0	.4							8.5	8.5
SSW	.6	2.3	2.5	4.0	1.0	.1						10.4	10.5
SW	1.0	2.6	4.3	2.6	.5							11.2	8.9
WSW	.4	1.3	4.2	4.1	.6	.3						11.0	10.7
W	.6	1.2	2.5	2.2	.9	.3	.2					7.8	11.2
WNW	.9	.1	.6	.3	.3							2.3	7.7
NW	.1	.3	.9	.4								1.7	8.4
NNW	.3		.2	.1								.6	5.7
VARBL	2.4	.3	.2	.2	.1							3.2	3.9
CALM												11.5	
	13.5	24.2	25.4	19.4	4.8	1.0	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STAT ID

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	.4									2.0	4.6
NNE	.3	.1	.1	.1								.6	5.3
NE	.3	.9	.4									1.6	5.1
ENE	1.4	2.2	2.6	.5	.4							7.1	7.3
E	3.5	5.2	4.4	1.9	.8							15.8	7.0
ESE	1.1	1.2	.6	.1								3.0	4.8
SE	.5	1.1	.2		.1							1.9	5.5
SSE	.5	.4	.4	.2	.1							1.7	6.6
S	.9	2.5	2.5	3.0	.3	.2						9.4	9.5
SSW	.8	1.5	2.2	2.5	.4	.1						7.4	9.9
SW	.6	1.6	3.7	5.3	.8							11.9	10.4
WSW	.4	1.6	5.3	2.6	.9	.3	.1					11.2	10.5
W	.5	1.2	3.1	3.3	.3	.1						8.6	10.2
WNW	.2	.4	.8	.3		.3						2.0	10.2
NW	.2	.1	1.1	.1								1.5	7.4
NNW	.4	.2	.4	.4								1.5	7.5
VARBL	1.4	.6	.2	.2	.5	.2						3.3	7.5
CALM												9.2	
	13.8	21.0	28.5	20.6	4.6	1.3	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.3	.6	.2								1.9	6.1
NNE	.4	.5	.3									1.3	4.7
NE	.1	.4	.4	.2								1.2	7.8
ENE	.8	1.8	2.6	.4	.4							6.0	7.6
E	2.7	3.6	5.0	1.8	.8							13.8	7.5
ESE	.3	1.4	.4	.1								2.3	5.6
SE	.4	.4	.3									1.2	4.7
SSE	.5	1.3	.5	.1								2.5	5.3
S	1.3	1.7	2.7	2.5	.6							8.8	9.3
SSW	.3	1.5	2.0	4.5	1.0	.2						9.3	11.4
SW	.4	2.2	3.1	4.1	1.2	.4						11.4	11.1
WSW	.8	.9	3.9	3.7	1.2	.3	.1					10.8	11.3
W	.2	1.0	3.3	3.9	.5							8.9	10.9
WNW	.4	.3	.1	.3	.2	.4						1.8	12.3
NW	.3	.3	.4	.4								1.5	7.5
NNW	.1	.1	1.4	.9								2.5	10.0
VARBL	1.4	.9	.2	.2	1.1	.1						3.9	9.0
CALM												10.7	
	11.3	18.6	27.4	23.4	7.0	1.5	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.4	.2								1.1	7.1
NNE	.1	.6	.3	.2								1.3	6.9
NE	.3	.5	.5	.4	.1							1.9	8.3
ENE	1.5	1.8	1.7	.4	.3							5.8	6.7
E	2.7	5.1	4.2	2.3	.3							14.5	7.0
ESE	1.0	1.1	.9	.1								3.0	5.0
SE	.6	1.2	.6									2.5	4.9
SSE	.4	.6	1.1	.1								2.3	6.6
S	1.2	1.8	3.7	2.0								8.7	8.0
SSW	.9	1.9	2.0	4.3	1.3							10.4	10.6
SW	.8	1.3	3.5	3.8	1.3	.2						10.9	10.9
WSW	.2	1.1	4.3	3.4	.8							9.8	10.5
W	.3	1.8	3.9	2.5	1.1	.1	.1					9.8	10.7
WNW	.1	.3	.8	.3	.1	.2						1.8	10.7
NW	.1	.5	.9	.2		.1	.1					1.9	9.9
NNW	.3	.3	1.1	.4								2.2	7.8
VARBL	1.2	1.0	.1	.5		.2						3.0	6.6
CALM												9.1	
	11.8	21.4	30.0	21.3	5.3	.9	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JA:1
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.1	.2								.9	6.4
NNE	.8	.3	.1	.1								1.3	4.0
NE	.2	.8	.5	.6								2.2	7.8
ENE	1.1	2.7	1.7	1.1	.1							6.7	6.8
E	1.9	6.7	4.6	1.9	.3							15.5	7.0
ESE	.8	.8	.4									1.9	4.3
SE	.6	1.2	.4		.1							2.4	5.4
SSE	.9	1.2	.5	.8	.1							3.4	7.2
S	.8	2.2	2.3	2.4								7.5	8.7
SSW	.3	1.6	3.9	2.5	1.0	.3						9.6	10.6
SW	.4	2.4	4.2	3.2	1.0	.4						11.6	10.4
WSW	.5	2.0	4.2	3.2	1.0	.2						11.2	10.2
W	.5	1.9	2.6	2.7	.9	.2						8.8	10.1
WNW	.4	1.2	.8	.3	.2	.1						3.0	7.9
NW		.2	1.0									1.2	7.9
NNW	.3	.3	.1									.8	4.1
VARBL	1.2	.3		.2	.1	.2						2.0	6.6
CALM												9.9	
	11.1	26.0	27.5	19.3	4.7	1.5						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS; DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.1	.2	.1								1.2	4.3
NNE		.2	.2	.1								.5	8.4
NE	.1	.9	.4	.2								1.6	6.6
ENE	1.7	2.7	1.3	1.5	.2							7.4	6.9
E	1.9	8.5	3.9	1.2	.4							15.9	6.5
ESE	1.1	.9	.1	.1	.1							2.3	4.8
SE	.3	.5	.3	.2								1.4	6.2
SSE	.8	1.2	.3	.8	.1	.1						3.2	7.6
S	.2	1.9	3.0	2.2	.5							7.9	9.5
SSW	.5	1.2	3.3	2.5	.9	.1						8.5	10.6
SW	.8	1.8	3.9	3.9	1.0	.4						11.7	10.5
WSW	.8	1.9	3.3	3.4	1.0	.1	.2					10.8	10.4
W	1.2	2.3	2.7	3.1	.6	.1						10.0	9.2
WNW	.4	1.3	.5	.4	.2	.3						3.2	9.0
NW	.1	.3	.2		.1							.8	8.0
NNW		.2	.3	.1								.6	8.2
VARBL	2.2	.3		.2	.2							2.9	4.8
CALM												10.0	
	12.8	26.3	24.1	20.0	5.4	1.2	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.5	.3	.1								1.5	5.1
NNE	.4	.4	.2	.2	.0							1.2	5.9
NE	.3	.6	.4	.3	.0							1.7	6.7
ENE	1.3	2.3	2.1	.8	.3	.0						6.3	7.2
E	2.5	5.6	4.3	1.7	.5	.0						14.7	7.0
ESE	.7	1.0	.4	.1	.0							2.2	4.9
SE	.5	.8	.3	.1	.0							1.7	5.3
SSE	.6	1.1	.5	.4	.1	.0						2.8	6.7
S	1.0	2.3	2.9	2.2	.3	.0						8.8	8.6
SSW	.6	1.6	2.6	3.1	.9	.1						9.0	10.5
SW	.7	2.0	3.9	4.0	.8	.2						11.7	10.3
WSW	.5	1.6	4.1	3.3	1.0	.3	.1	.0				10.9	10.8
W	.6	1.7	3.0	2.7	.7	.2	.1					9.0	10.2
WNW	.5	.6	.6	.4	.2	.2						2.3	9.0
NW	.2	.3	.6	.3	.0	.0	.0					1.4	8.4
NNW	.3	.2	.4	.3								1.2	7.5
VARBL	1.8	.6	.1	.2	.3	.1	.0					3.2	6.0
CALM												9.9	
	13.0	23.3	26.8	20.4	5.2	1.3	.2	.0				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS, DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.8	.6	.4								3.5	5.4
NNE	.9	.7	1.2	.5								3.3	6.6
NE	.6	1.7	2.1	.5								4.8	7.1
ENE	2.2	3.7	2.4	1.5	.1							9.9	6.6
E	2.8	5.0	3.8	2.5	.5							14.5	7.1
ESE	.5	1.3	.2	.1								2.1	5.0
SE	.5	.4										.8	3.3
SSE	.5	1.7	.7	.1								3.0	5.4
S	.4	.2	1.3	1.1	.1	.1						3.2	10.4
SSW	.4	.5	1.3	2.7	.1	.4						5.3	11.4
SW	.5	1.5	3.3	2.5		.5						8.3	9.9
WSW	.4	2.5	4.6	3.5	.9	.4						12.3	10.2
W	.1	1.9	2.6	2.5	.5	.1						7.7	9.7
WNW	.4	.8	1.3	.2		.1						2.8	7.3
NW		.4	.1	.1	.1							.7	9.8
NNW	.2	.6	.1	.2	.1							1.3	7.3
VARBL	1.4	.7	.2	.2	.2							2.8	5.3
CALM												13.5	
	12.5	25.2	25.9	18.7	2.7	1.5						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	.8	.1								3.7	4.8
NNE	.8	.7	1.5	.7								3.8	7.3
NE	.9	1.2	2.0	.2								4.4	6.2
ENE	1.4	3.2	3.3	2.2								10.2	7.6
E	1.9	4.6	3.5	1.9	.2							12.2	7.1
ESE	.5	1.2	.2									1.9	4.7
SE	.5	.5	.2									1.2	4.7
SSE	.8	.4	.5									1.7	4.4
S	.8	.2	1.1	.6								2.7	7.4
SSW	.5	1.3	1.8	2.8	.6	.1						7.1	10.2
SW	.5	1.5	3.3	3.8	.7	.1						9.9	10.4
WSW	.2	2.8	3.4	3.4	.9							10.9	10.0
W	.9	1.7	1.5	1.3	.8	.6						6.9	10.3
WNW	.5	.6	.4	.8	.2							2.5	8.9
NW	.4	.4	.7	.2	.1							1.8	7.8
NNW	.2	.9	.8	.4	.2							2.6	8.2
VARBL	1.4	.5		.2								2.1	3.8
CALM												14.7	
	13.8	22.8	25.2	18.8	3.9	.8						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	1.2	.1								4.1	5.1
NNE	1.1	.8	1.2	.4	.1							3.5	6.7
NE	.7	1.5	1.9	.7								4.8	7.4
ENE	1.9	2.7	2.7	1.3	.5							9.1	7.4
E	1.8	4.7	3.9	1.9	.4							12.6	7.4
ESE	.8	.8	.1									1.8	3.8
SE	.4	1.1	.6									2.0	5.2
SSE	.8	.7	.7									2.2	5.1
S	.6	1.4	2.0	1.8								5.8	8.7
SSW	.2	.8	2.7	1.5	.4							5.7	9.7
SW	.5	.9	4.5	2.6	.6							9.1	10.0
WSW	.7	2.0	3.5	3.4	.6							10.3	9.6
W	.7	2.4	1.8	2.0	.6							7.4	9.0
WNW	.6	.9	.2	.7	.7							3.2	9.4
NW	.2	.6	.5	.7								2.0	8.2
NNW	.1	1.1	.7	.1								2.0	6.4
VARBL	.6	.6	.5									1.7	5.0
CALM												12.5	
	13.1	24.6	28.7	17.3	3.8							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.7	.2								3.4	6.7
NNE	.7	.5	1.1	.6								2.8	7.6
NE	.6	.7	1.3	1.8	.1							4.5	9.3
ENE	.5	1.1	3.4	2.5	.2							7.9	9.1
E	2.3	5.2	3.4	2.8	.5							14.2	7.4
ESE	1.3	.9	.1									2.4	3.9
SE	.5	.6	.5	.1								1.7	6.1
SSE	.6	1.3	1.1									3.0	5.7
S	.8	1.1	2.6	2.0	.7	.1						7.3	9.7
SSW	.4	1.3	1.7	2.6	.2	.2						6.4	10.3
SW	.2	.8	5.2	3.2	1.1							10.5	10.5
WSW	.7	1.2	2.5	3.6	.7							8.6	10.5
W	.4	.9	1.7	3.0	.4	.1						6.4	10.7
WNW	.1	1.9	.9	.8	.2							4.0	8.4
NW	.2	.5	1.5	.2								2.5	7.9
NNW	.4	.5	.8	.2								1.9	7.3
VARBL	1.7	.5	.4	.4	.1							3.0	5.4
CALM												9.4	
	11.7	20.1	29.9	24.2	4.3	.5						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

PITBURG AB GERMANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-00
HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	1.9	.4								3.7	6.9
NNE	.2	.4	1.4	1.1	.1							3.2	9.6
NE	.5	.4	1.1	1.8	.2							3.9	9.8
ENE	.6	.7	2.6	2.6								6.5	9.1
E	2.0	2.0	4.1	4.0	.5							12.6	8.8
ESE	.8	.9	.4									2.1	4.5
SE	.5	1.1	.4	.4								2.2	5.9
SSE		1.3	.5	.5								2.2	7.3
S	.6	1.2	3.1	2.2		.2						7.3	9.1
SSW		1.3	2.4	.8	.4	.5						5.3	10.3
SW	.4	1.7	3.7	4.1	.9	.2						11.0	10.7
WSW	.8	2.1	3.1	4.1	1.5	.1						11.8	10.7
W	.6	1.4	1.9	2.7	.5	.1						7.2	10.0
WNW	.4	1.3	.7	.8	.1	.1						3.4	8.8
NW	.1	1.1	1.3	.4								2.8	7.7
NNW	.1	.4	.5	1.1	.1							2.1	10.5
VARBL	1.9	.8	.4	.7	.4							4.1	6.5
CALM												8.3	
	10.0	18.8	29.2	27.7	4.7	1.3						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.R.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.4	.8								3.1	8.6
NNE	.2	.9	2.2	.7	.2							4.4	8.9
NE	.1	.5	1.4	1.7								3.7	10.1
ENE	.9	.9	2.2	2.1	.1							6.4	8.3
E	.9	3.0	4.1	2.2	.5							10.8	8.2
ESE	.7	.4	.9									2.0	5.9
SE	.1	.7		.2								1.1	6.1
SSE	.8	.8	.6	.2								2.5	5.6
S	.8	1.9	4.4	1.3	.6							9.0	8.6
SSW	.4	2.4	1.7	.6	.5	.1						5.6	8.9
SW	.7	2.2	3.8	3.7	.5	.7						11.6	10.5
WSW	.5	1.7	3.3	3.3	.8							9.6	10.2
W	.5	2.0	3.4	3.3	.1							9.3	8.4
WNW	.4	.9	1.5	1.1	.1							4.0	8.4
NW	.5	.6	1.2	.4								2.6	6.8
NNW	.1	.6	.9	.5								2.1	8.5
VAPBL	1.9	.9	1.7	.8		.1						5.4	6.7
CALM												7.0	
	9.7	21.2	34.9	22.9	3.4	.9						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	1.1	.2								2.8	6.4
NNE	.6	1.7	1.8	.7								4.7	7.4
NE	.5	1.4	1.4	.8	.1							4.3	7.7
ENE	.8	1.8	3.1	1.3								7.0	7.8
E	3.0	5.3	3.5	1.8	.1							13.7	6.4
ESE	1.1	1.1	.5	.2								2.8	5.1
SE	.8	.9	.1									1.9	3.8
SSE	.8	.8	1.8	.4								3.8	6.7
S	.5	2.0	1.8	1.5	.4							6.1	8.6
SSW	1.1	1.4	2.5	1.5	.1	.1						6.7	8.2
SW	.5	.9	3.7	3.4	.5	.4						9.3	10.9
WSW	.	2.0	4.3	2.2	.1		.1					9.0	9.1
W	.4	3.1	3.5	2.5	.2	.1						9.8	8.9
WNW	.5	.7	.6	.2								2.0	6.6
NW	.5	.7	.9	.4								2.5	6.6
NNW	.2	.7	.6	.4								1.9	7.2
VARBL	.9	.9	.2	.5								2.6	5.8
CALM												9.0	
	12.9	26.5	31.3	18.1	1.5	.6	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERHANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLIM

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.0	.8	.5								4.4	5.5
NNE	.7	1.2	.6	.7								3.2	6.6
NE	.8	2.4	2.1	.6								5.9	7.0
ENE	.9	2.1	1.8	2.2								7.1	7.9
E	2.8	7.3	2.6	1.8								14.5	5.9
ESE	1.1	1.3	.4									2.7	4.2
SE		.8	.2									1.1	5.0
SSE	.4	.8	.9	.2								2.4	6.8
S	.5	1.5	1.8	.9	.5		.1					5.3	8.8
SSW	.1	1.2	1.9	1.8	.8	.2	.2					6.3	11.4
SW	.6	1.3	2.8	2.8	.6	.4						8.5	10.5
WSW	.9	3.2	3.9	2.5	.6	.1						11.2	8.9
W	.4	3.2	3.5	2.4	.4							9.8	8.9
WNW		.7	.7	.4								1.8	7.7
NW	.5	.5	.2	.6								1.8	7.5
NNW	.2	.6	.1	.2								1.2	6.0
VARBL	1.3	.1	.1	.5	.1		.1					2.2	7.6
CALM												10.6	
	12.3	30.3	24.6	18.1	3.0	.7	.5					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.3	1.2	.3								3.6	6.1
NNE	.7	.9	1.4	.7	.1							3.6	7.6
NE	.6	1.2	1.7	1.0	.1							4.5	7.9
ENE	1.2	2.0	2.7	2.0	.1							8.0	7.9
E	2.2	4.6	3.6	2.4	.3							13.2	7.2
ESE	.8	1.0	.4	.0								2.2	4.6
SE	.4	.8	.3	.1								1.5	5.1
SSE	.6	1.0	.8	.2								2.6	5.9
S	.6	1.2	2.2	1.4	.3	.1	.0					5.9	8.9
SSW	.4	1.3	2.0	1.8	.4	.2	.0					6.0	10.0
SW	.5	1.4	3.8	3.3	.6	.3						9.8	10.4
WSW	.6	2.2	3.6	3.3	.8	.1	.0					10.5	9.9
W	.5	2.1	2.5	2.5	.4	.1						8.1	9.5
WNW	.3	1.0	.8	.6	.2	.0						3.0	8.3
NW	.3	.6	.8	.4	.0							2.1	7.6
NNW	.2	.7	.6	.4	.1							1.9	7.8
VARBL	1.4	.6	.4	.4	.1	.0	.0					3.0	5.9
CALM												10.6	
	12.0	23.7	28.7	20.7	3.4	.8	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 6766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.9	1.2	.2								6.7	5.0
NNE	1.1	1.8	1.2	.2								4.3	5.8
NE	.8	2.5	2.4	.6								6.2	6.7
ENE	1.9	3.7	4.6	1.4	.2							11.9	7.1
E	1.6	4.4	3.8	1.6								11.4	7.0
ESE	.3	.5										.9	4.0
SE	.6	.4	.1									1.2	3.5
SSE	.1	.8	.4	.1								1.4	5.6
S	.4	1.2	.9	1.0	.2	.1						3.8	9.1
SSW	1.0	1.0	2.6	2.5	.4							7.4	9.5
SW	.5	1.6	1.4	2.3	.6							6.5	9.7
WSW	.6	2.7	3.5	2.7	.3	.2						10.1	9.1
W	.9	2.6	3.3	1.1	.2	.1						8.2	8.0
WNW	.4	.5	.8	.1								1.8	6.6
NW	.3	.5	.1	.5								1.5	7.5
NNW	.1	.5	.2	.1								1.0	5.6
VARBL	.6	.3		.6								1.7	7.2
CALM												14.1	
	13.8	29.0	26.5	15.2	2.2	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONCITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	1.0	.6	.1							5.6	5.7
NNE	1.1	2.2	1.7	.2	.1							5.3	6.1
NE	.3	2.7	2.4	.8								6.1	7.1
ENE	1.9	5.7	3.3	1.1	.3							12.4	6.6
E	1.8	3.4	4.8	1.4								11.5	6.9
ESE	.3	.4	.3									1.1	5.1
SE		.1										.1	5.0
SSE	.4	1.0	.2									1.6	4.6
S	.5	1.4	1.5	.6	.2							4.3	7.9
SSW	.4	.4	2.6	1.7	.4							5.6	10.1
SW	.3	1.5	2.5	2.7	.6							7.6	10.3
WSW	.5	2.4	2.9	2.2	.6							8.6	9.1
W	1.1	2.6	3.9	1.9	.4	.1						10.0	8.5
WNW	.5	.2	.2	.2								1.2	5.9
NW	.5	.4										1.0	3.2
NNW	.6	1.1	.9	.1								2.7	5.7
VARBL	.8		.2									1.0	3.4
CALM												14.4	
	12.9	27.7	28.4	13.5	2.9	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	1.9	.2								6.3	5.7
NNE	.8	1.4	1.6	.3								4.1	6.7
NE	.9	2.4	2.2	.4								5.8	6.5
ENE	1.7	4.1	4.5	1.5	.4							12.3	7.5
E	1.2	4.3	4.5	2.3								12.3	7.4
ESE	.3	.2										.5	3.4
SE	.3	.3	.2									.9	4.9
SSE	.3	.4	.5									1.3	5.5
S	.5	1.1	1.7	.5	.2							4.1	7.8
SSW	.5	.9	2.2	2.2	.2							5.9	9.6
SW	.5	1.4	2.2	1.9	1.1	.2						7.3	10.2
WSW	1.0	3.5	2.8	1.7	.6							9.7	8.3
W	.9	1.5	3.7	1.9	.5	.1						8.6	9.3
WNW	.9	.8	.2	.1								1.9	4.6
NW	.2	.4	.6	.1								1.4	6.6
NNW	.8	.5		.1								1.4	4.0
VARBL	.9	.1	.2	1.0	.1							2.3	8.6
CALM												14.0	
	13.2	25.9	29.0	14.3	3.2	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.5	1.9	.2								4.5	6.5
NNE	.3	.8	1.6	.4								3.1	7.4
NE	.4	.8	1.6	1.3								4.1	8.7
ENE	.9	1.4	4.1	3.1	.3	.2						10.0	9.6
E	1.8	4.7	5.7	3.3	.3							15.9	7.8
ESE	.6	.6	.5									1.8	4.8
SE	1.0	.2	.1									1.3	3.1
SSE	.1	.6	.5	.3								1.6	7.1
S	.2	1.5	2.2	1.1	.1							5.1	8.2
SSW	.2	.5	1.7	3.4	.2	.1						6.2	11.1
SW	.3	1.4	2.7	2.3	.4	.3						7.4	10.0
WSW	.4	2.0	3.3	3.2	1.3	.2						10.5	10.8
W	.8	2.8	2.0	2.4	.3	.1						8.4	8.8
WNW	.9	.8	.4	.8								2.8	7.0
NW	.1	.3	.5	.2								1.2	7.6
NNW	.8	.5	.4	.2								1.9	5.5
VARBL	1.5	.3	1.0	2.2	.2	.1						5.3	9.1
CALM												8.8	
	11.2	20.9	30.4	24.4	3.2	1.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	1.3	1.0								3.3	8.1
NNE	.1	.2	2.2	.6	.2							3.3	9.7
NE	.4	.6	2.2	1.4								4.6	8.8
ENE	.2	2.4	3.3	2.5	.5	.2						9.1	9.8
E	1.5	2.3	3.3	2.7	.3							10.1	8.2
ESE	.6	1.1	.4									2.2	4.5
SE	.5	.3	.1									1.0	3.9
SSE	.1	.8	.8	.2								1.8	7.4
S	.3	1.1	2.4	1.5								5.3	9.1
SSW	.3	1.1	2.8	2.7	.3							7.2	10.2
SW	.4	2.3	2.5	1.7	.4	.5						7.9	9.8
WSW	1.0	1.2	3.3	4.6	1.0	.1						11.2	10.8
W	.6	1.7	3.1	2.5	.9	.2						9.0	10.2
WNW	.3	.6	1.1	.9	.1							3.0	9.0
NW	.2	.4	.6	.9	.1							2.3	9.7
NNW	.5	.6	1.2	.2								2.6	6.8
VARBL	1.5	1.3	3.7	4.4	.2		.1					11.2	9.3
CALM												4.8	
	9.1	18.7	34.2	27.8	4.1	1.1	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	3.3	.5	.1							5.1	8.4
NNE	.2	.5	2.6	.6	.1							4.1	8.9
NE		.8	1.7	1.9	.2							4.6	10.7
ENE	.4	1.9	3.8	2.0	.2							8.4	8.9
E	.6	2.8	3.2	2.6	.1	.1						9.5	8.6
ESE	.5	.9	.3									1.7	4.7
SE	.3	1.1	.8	.1								2.3	6.3
SSE	.8	.5	.3	.6								2.3	6.9
S	.9	1.7	1.8	1.4	.4							6.2	8.3
SSW	.5	2.0	2.6	2.2	.2	.1						7.6	9.1
SW	.4	.4	2.2	3.2	.3	.3						6.9	11.3
WSW	1.0	1.5	3.2	4.6	1.2	.3						11.8	11.2
W	.3	1.3	3.2	2.6	.4	.4						8.3	10.6
WNW	.1	.1	1.0	1.3	.2							2.7	11.5
NW	.3	.4	.9	1.3								2.9	9.7
NNW	.3	.2	2.2	.3	.1							3.1	8.7
VARBL	1.2	1.2	3.0	2.4	.1	.1						8.0	8.9
CALM												4.6	
	8.4	18.1	36.0	27.7	3.8	1.4						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.1	3.8	.4								8.1	6.7
NNE	.5	1.4	2.9	.4	.2							5.7	7.5
NE	.5	2.2	1.9	1.2								5.8	7.7
ENE	.5	2.4	4.3	1.3	.3							8.8	8.3
E	1.4	4.6	2.7	1.1								9.8	6.3
ESE	.6	.8	.9									2.3	5.5
SE	.4	.4	.2	.1								1.2	4.6
SSE	1.3	1.1	.6	.3								3.3	5.1
S	1.1	2.2	2.3	1.6	.3	.1						7.5	8.2
SSW	.4	2.3	1.1	1.1	.4							5.3	8.1
SW	1.0	2.0	2.9	1.4	.6							8.0	8.4
WSW	.6	1.4	3.4	3.3	.4		.2					9.5	10.3
W	1.0	2.5	2.7	1.8	.1							8.1	8.0
WNW	.6	.6	1.3	.6		.1						3.4	8.4
NW		.9	1.0	.4								2.3	8.2
NNW	.2	1.0	.8									1.9	5.9
VARBL	.6	.2	.5	.2								1.6	5.9
CALM												7.5	
	11.9	28.9	33.2	15.5	2.5	.2	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.6	1.1	.2								6.0	4.9
NNE	1.0	2.9	1.9	.5	.2							6.6	6.7
NE	.6	2.3	1.0	1.0								4.8	6.8
ENE	.9	5.4	4.3	1.5	.1							12.2	7.2
E	2.0	3.4	3.9	1.4	.2							11.0	6.8
ESE	.4	.2	.3									1.0	5.0
SE	.4	.6	.1	.1								1.3	4.8
SSE	.4	1.4	1.0									2.8	6.0
S	.5	1.6	1.7	1.1	.3							5.3	8.0
SSW	.2	1.6	3.0	1.4	.8							7.0	9.7
SW	.2	2.4	1.6	2.6	.2	.3						7.3	9.9
WSW	1.1	2.2	1.9	2.8	.3	.1	.1					8.5	9.0
W	1.1	3.1	3.1	1.8	.1	.1						9.4	7.7
WNW	.6	1.0	1.1	.2								2.2	6.0
NW	.1	.1	.6	.1								1.0	7.0
NNW	.1	.3	.1									.5	6.4
VARBL	1.0	.3	.3	.2	.1							1.9	5.8
CALM												10.6	
	12.9	31.4	27.0	15.1	2.4	.5	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-73
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	1.9	.4	.0							5.7	6.2
NNE	.7	1.4	2.0	.4	.1							4.6	7.2
NE	.5	1.8	1.9	1.1	.0							5.3	7.7
ENE	1.1	3.4	4.0	1.6	.3	.1						10.6	8.0
E	1.5	3.8	4.0	2.0	.1	.0						11.4	7.4
ESE	.5	.6	.3									1.4	4.8
SE	.5	.4	.2	.0								1.1	4.7
SSE	.4	.8	.6	.2								2.0	6.0
S	.6	1.5	1.8	1.1	.2	.0						5.2	8.3
SSW	.5	1.2	2.3	2.1	.4	.0						6.5	9.7
SW	.5	1.6	2.2	2.3	.6	.2						7.4	9.9
WSW	.8	2.1	3.1	3.1	.7	.1	.0					10.0	9.9
W	.8	2.3	3.1	2.0	.4	.1						8.7	8.9
WNW	.6	.6	.8	.5	.0	.0						2.5	7.7
NW	.2	.4	.6	.4	.0							1.7	8.0
NNW	.4	.6	.7	.1	.0							1.9	6.4
VARBL	1.0	.5	1.1	1.4	.1	.0	.0					4.1	8.5
CALM												9.9	
	11.7	24.9	30.6	19.2	3.0	.6	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	1.0	.7								6.9	5.1
NNE	2.2	3.3	2.0	.1								7.6	5.5
NE	1.7	2.8	3.2	1.6								9.3	6.9
ENE	1.1	4.4	3.4	.7								9.7	6.2
E	2.0	3.1	1.2									6.3	4.9
ESE	.6	.2										.9	3.3
SE	.7	.2										1.0	2.5
SSE	.2	1.0	.1									1.4	5.0
S	.2	.5	.4		.2							1.4	7.4
SSW	.1	.4	.7	.7								2.0	9.3
SW	.4	1.4	4.1	2.2	.2							8.2	9.4
WSW	.1	1.7	4.2	3.4	.7							10.2	10.4
W	1.7	3.1	4.8	1.2	.1							10.9	7.2
WNW	.7	1.7	.9		.2							3.6	6.2
NW	.5	1.5	1.1	.5								3.6	6.4
NNW	1.8	1.4	.5	.1								3.8	4.2
VARBL	.6	.7	.1	.1								1.6	4.2
CALM												11.7	
	17.5	30.0	27.7	11.6	1.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

213

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

63-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.6	1.8	.1								7.3	5.3
NNE	2.9	2.5	1.9	.5								7.7	5.4
NE	1.1	2.9	2.3	1.4								7.6	6.9
ENE	1.8	4.8	3.5	1.2								11.2	6.4
E	1.7	3.7	1.2									6.5	4.9
ESE	.4	.1	.1									.6	4.0
SE	.4	1.0										1.3	3.8
SSE	.1	.2										.4	3.3
S	.7	.1	.4	.1								1.3	4.8
SSW		.4	1.0	1.0	.1							2.4	10.7
SW	.4	1.2	3.2	2.1	.6							7.5	10.0
WSW	.4	2.5	3.3	3.5	.5							10.1	9.6
W	1.0	2.9	4.6	1.8	.5	.1						10.8	8.2
WNW	.5	1.2	1.2	.7	.2							3.8	7.9
NW	.5	1.1	1.0									2.5	5.6
NNW	1.1	1.2	1.2	.2								3.7	5.8
VARBL	.7	.1		.1								1.0	3.6
CALM												14.3	
	15.1	29.3	26.5	12.7	1.9	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

840

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.A.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.0	1.1	.1								6.1	4.4
NNE	2.6	3.2	1.7	.6	.1							8.1	5.5
NE	1.1	2.1	2.3	1.2	.1							6.9	7.5
ENE	1.9	5.2	3.7	2.1								12.9	7.0
E	2.0	3.7	2.0	.2								7.9	5.2
ESE	.4	.1	.1									.7	3.8
SE	.1	.6	.2									.9	4.8
SSE	.4	.7		.1								1.2	4.9
S	.4	.2	.2	.2								1.1	5.7
SSW	.1	.2	.8	1.2	.1							2.4	11.0
SW	.2	1.4	3.0	2.3	.3							7.3	9.8
WSW	.9	1.8	3.7	4.2	1.1	.2						11.9	10.6
W	1.3	1.9	3.7	1.9	.2							9.0	8.1
WNW	1.4	1.1	1.1	.4								4.1	5.8
NW	.6	1.6	.4	.4								3.0	6.2
NNW	.9	.7	1.6	.1								3.2	6.4
VARBL	1.2	.3	.2	.6	.1							2.4	6.3
CALM												10.8	
	18.6	26.8	25.8	15.8	2.1	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEAR

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.8	2.0	.8								5.6	7.1
NNE	.6	.7	1.3	.6								3.1	7.2
NE	.6	.2	1.9	1.7	.1							4.4	9.6
ENE	.7	2.1	2.9	3.7	.2							9.6	9.5
E	1.7	3.9	4.4	1.4								11.5	7.1
ESE	.9	.6	.3									1.8	6.1
SE	.1	.8	.2									1.1	2.4
SSE	.3	.9	.2	.1								1.6	3.4
S	.2	1.0	1.4									2.7	6.6
SSW	.2	.7	.9	1.7	.7							4.1	11.2
SW	.7	.8	2.6	1.6	.9	.4						6.9	11.3
WSW	.2	1.9	3.9	4.1	1.4	.1						11.7	11.1
W	.8	1.9	2.1	3.7	.4	.1						9.0	9.8
WNW	.6	.9	1.7	1.0								4.1	7.9
NW	.3	.2	1.6	.8								2.9	8.8
NNW	.9	1.8	.9	1.8								5.3	7.6
VARBL	1.8	1.7	3.8	2.2	.3	.2						10.0	8.4
CALM												4.7	
	11.5	21.7	32.1	25.0	4.1	.9						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	2.9	1.1								5.3	8.4
NNE	.4	.6	1.2	1.1								3.3	8.7
NE		.6	1.7	1.6	.4							4.2	10.9
ENE	.2	1.0	2.3	2.7	.4							6.7	10.8
E	.7	1.4	2.8	1.2								6.1	8.0
ESE	.7	.6	.1	.2								1.6	5.1
SE	.6	.9	.2	.1								1.8	4.6
SSE	.4	.6	.9									1.9	5.8
S	.3	.7	1.4		.2							3.4	9.1
SSW	.2	1.2	1.6		.4							5.4	10.3
SW	.3	.7	2.3	1.1	1.1	.4						6.6	12.1
WSW	.6	1.6	1.6	2.7	1.9	.3	.1					8.7	12.1
W	1.0	1.6	3.4	3.9	1.7							11.6	10.8
WNW	.3	.3	1.2	.8	.3							4.0	8.9
NW	.1	.4	1.7	1.0	.2							3.4	9.9
NNW	.4	.6	1.9	2.1	.1							5.2	9.7
VARBL	1.4	3.1	8.7	4.5		.3						18.6	9.0
CALM												2.2	
	8.2	17.6	35.9	27.7	1.1	1.2	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG A. GERMANY
STATION NAME

69-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	2.3	1.8								6.3	8.4
NNE		1.0	1.4	1.6	.1							4.1	9.4
NE	.4	.8	1.9	1.9	.2							5.2	9.9
ENE	.4	1.0	2.2	3.0	.2							6.9	10.3
E	.1	1.2	2.2	1.7								5.2	9.0
ESE	.3	.3	.4	.2								1.3	7.1
SE	.2	.7	.2									1.1	4.9
SSE	.6	.4	1.0	.1								2.1	6.2
S	.4	2.1	1.1	.9	.3							4.9	7.9
SSW	.6	.8	1.1	2.0	.6	.1						5.1	10.6
SW	.3	.6	2.0	2.0	.6	.4	.1					6.0	12.1
WSW	.1	.4	1.7	2.7	1.0	.3						6.2	13.1
W	.6	1.2	3.9	5.0	.7	.1	.1					11.6	11.2
WNW	.4	.8	1.6	1.1								3.9	8.4
NW	.2	.8	1.7	1.4	.1	.1						4.3	9.9
NNW	.3	.9	2.2	2.1	.6	.1						6.2	11.0
VARBL	1.6	2.7	9.0	3.4	.8							17.4	8.9
CALM												2.0	
	7.1	17.4	36.0	30.9	5.1	1.2	.2					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.9	4.2	1.3	.1							9.1	7.7
NNE	.4	2.0	3.1	1.0								6.6	7.7
NE	.3	1.6	3.2	1.7								6.8	8.5
ENE	.7	3.0	3.0	1.8								8.5	7.8
E	1.2	2.4	2.4	.4								6.6	6.1
ESE	.7	.6	.3									1.6	4.5
SE	.6	1.1	.3									2.0	4.7
SSE	.4	.6	.3	.2								1.6	6.0
S	.3	1.2	.5	.4	.1							2.9	7.4
SSW	.2	1.9	1.2	1.1	.2							4.7	8.6
SW	.7	1.2	1.9	1.1	.7	.2						5.8	9.9
WSW	.3	1.2	2.8	3.8	.3							8.5	10.6
W	.6	2.6	4.1	2.2	.3	.1		.1				10.0	9.1
WNW	.2	1.0	1.9	.7								3.8	8.0
NW	1.0	2.2	2.6	.9	.2	.1						7.0	7.8
NNW	.4	2.2	3.2	1.4								7.3	8.2
VARBL	.7	.7	.4	.6	.1							2.4	7.1
CALM												5.0	
	9.3	28.4	35.9	18.7	2.1	.4		.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-70, 72-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.6	2.1	.6								7.0	6.0
NNE	1.6	4.2	3.6									9.4	5.8
NE	1.1	2.3	2.6	.7								6.8	6.9
ENE	1.5	4.2	3.1	1.2								10.0	6.5
E	1.6	3.5	1.0									6.0	4.8
ESE	.6	.5										1.1	3.4
SE	.5	.4	.1	.1								1.1	4.9
SSE	.1	.6	.4									1.1	6.0
S	.4	1.6	.7	.7								3.5	7.6
SSW	.7	1.1	.9	.2								3.0	5.9
SW	.1	1.2	2.3	2.0	.6							6.3	10.5
WSW	.6	2.1	4.4	3.3	.5	.1						11.1	9.7
W	1.1	3.2	3.7	1.2	.1							9.4	7.3
WNW	1.0	2.3	1.1	.2	.1							4.8	6.3
NW	1.0	1.6	1.7	.2								4.6	6.2
NNW	2.1	1.1	1.2	.2								4.7	5.1
VARBL	.5	.4										.9	2.9
CALM												9.3	
	16.3	33.0	29.0	11.0	1.4	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2	2.2	.8	.0							6.7	6.6
NNE	1.3	2.1	2.0	.7	.0							6.2	6.5
NE	.8	1.6	2.4	1.5	.1							6.4	6.1
ENE	1.0	3.2	3.0	2.1	.1							9.4	7.8
E	1.4	2.8	2.2	.6								7.0	6.3
ESE	.6	.4	.2	.1								1.2	4.6
SE	.4	.7	.2	.0								1.3	4.5
SSE	.2	.6	.4	.1								1.4	5.6
S	.4	.9	.8	.4	.1							2.7	7.5
SSW	.3	.8	1.0	1.3	.3	.0						3.7	9.8
SW	.4	1.0	2.7	1.9	.6	.2	.0					6.8	10.6
WSW	.4	1.6	3.2	3.5	.9	.1	.0					9.8	10.8
W	1.0	2.3	3.8	2.7	.5	.1	.0	.0				10.3	9.1
WNW	.6	1.3	1.3	.6	.1							4.0	7.4
NW	.5	1.2	1.5	.7	.1	.0						3.9	7.7
NNW	1.0	1.2	1.6	1.0	.1	.0						5.0	7.7
VARBL	1.1	1.2	2.9	1.5	.2	.1						7.0	8.3
CALM												7.4	
	12.8	25.3	31.2	19.4	3.2	.5	.0	.0				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

6961

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-10,72-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	1.3									4.8	4.7
NNE	1.9	1.8	.7	.1								4.5	4.5
NE	1.4	1.7	1.1									4.2	4.6
ENE	2.5	5.7	3.2	1.1								12.6	5.9
E	2.9	9.1	2.6	.1								14.7	5.0
ESE	.5	.4										.8	3.4
SE	.6	1.0										1.6	3.3
SSE	.6	.6	.1									1.3	3.9
S	.6	1.0	1.2	.1								2.9	6.1
SSW	.5	1.9	1.6	.8								4.8	7.7
SW	.1	1.8	3.1	1.1								6.1	8.2
WSW	.6	2.4	2.9	.8								6.7	7.1
W	1.8	3.8	3.3	1.2								10.2	6.5
WNW	1.2	1.2	1.9	.2								4.5	6.1
NW	.4	.8	.6									1.8	5.1
NNW	.1	.4	.7	.4								1.6	7.8
VARBL	.4	.4	.1									.8	3.7
CALM												16.1	
	17.3	36.0	24.5	6.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.5	.8									4.6	4.1
NNE	1.2	1.7	1.5	.1								4.6	5.3
NE	1.2	2.3	.5	.3								4.3	5.0
ENE	2.8	7.0	3.8	.9								14.5	5.7
E	2.0	5.9	3.8									11.6	5.6
ESE	.5	.5										.9	3.3
SE	.6	.2		.1								.9	3.9
SSE	.8	.7	.1									1.6	3.6
S	.7	1.2	.9									2.8	5.6
SSW	.7	.5	2.2	.7								4.0	7.7
SW	.9	3.0	2.4	.6	.3							7.2	7.2
WSW	1.5	2.3	2.1	.6	.2							6.7	6.7
W	1.5	4.5	4.0	1.7								11.7	6.9
WNW	.6	.8	.1	.2								1.7	5.3
NW	.8	.5	.5	.7								2.4	6.7
NNW	.3	.5	.5	.2								1.5	6.5
VARBL	.9	.5	.1									1.5	2.9
CALM												17.4	
	19.2	33.4	23.2	6.2	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 869

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.6	1.3	.2								4.8	5.2
NNE	1.3	1.4	1.0	.3								4.0	5.5
NE	.6	1.4	1.4	.1								3.6	5.9
ENE	1.5	3.1	4.1	1.6								10.3	7.1
E	2.6	6.5	7.3	.9								17.2	6.4
ESE	.4	.5										1.0	3.3
SE	.8											.8	2.1
SSE	.8	1.0	.1									1.8	3.9
S	1.6	1.4	.9	.2								4.1	5.0
SSW	.5	1.5	1.8	.9	.2							5.0	8.0
SW	.8	1.2	3.0	1.0	.4	.1						6.5	8.8
WSW	1.2	2.2	3.5	1.2	.2							8.3	7.5
W	.8	3.4	3.1	1.0	.2							8.5	7.4
WNW	1.0		.6	.4	.1							2.2	2.2
NW	.3	.3	.4	.6								1.7	8.3
NNW	.3	.6	.8	.5								2.3	7.7
VARBL	1.3	.4	.1	.3								2.2	4.3
CALM												15.9	
	17.4	26.6	29.5	9.3	1.2	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	1.2	.2								2.9	6.5
NNE	.2	.4	1.6	.1								2.4	7.7
NE	.3	.4	.6	.9								2.4	8.3
ENE	.8	1.6	2.9	1.6								7.1	8.2
E	1.8	4.2	5.5	2.9								14.4	7.5
ESE	.3	.9	.4									1.6	5.9
SE	.4	1.0	.2	.2								1.8	5.6
SSE	.9	.8	.2	.1								1.9	4.6
S	1.2	.9	1.6	.8								4.4	6.7
SSW	1.0	1.7	2.3	2.0	.2							7.2	8.3
SW	.4	1.4	3.0	1.8	.3	.3						7.3	9.7
WSW	1.1	2.2	5.3	1.6	.2							10.3	8.0
W	.6	2.3	3.1	2.6	.1							8.7	8.8
WNW	.5	1.5	.6	.3	.1							3.1	6.5
NW	.5	.3	1.3	.3								2.5	7.5
NNW	.2	1.2	.9	1.1	.1							3.4	8.8
VARBL	3.3	3.1	4.0	2.5	.4							13.3	7.2
CALM												5.2	
	14.3	24.6	34.8	19.2	1.5	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
POWERS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.9	.6								4.2	7.7
NNE	.6	1.4	1.3	.4								3.8	6.7
NE		.3	.5	.5								1.4	9.5
ENE	.4	1.5	2.4	1.1	.2							5.6	8.3
E	.4	1.5	3.5	2.7	.3							8.5	9.7
ESE	.2	.8	.5	.1								1.6	6.1
SE	.3	1.4	.2	.1								2.0	5.4
SSE	.2	.3	.3	.2								1.1	6.9
S	.6	1.4	1.6	.9	.1							4.6	7.6
SSW	.6	1.1	2.7	1.8	.1							6.3	9.0
SW	.1	1.6	4.4	3.3	.5	.1						10.1	10.2
WSW	.5	1.6	3.5	2.9	.4	.2	.2					9.5	10.4
W	.6	2.2	2.8	2.9	.3							8.8	9.2
WNW	.4	1.1	1.4	1.5	.1							4.5	9.0
NW		.4	1.3	.8	.1							2.6	9.8
NNW	.4	.6	.4	.2								1.7	6.1
VARBL	2.7	4.5	9.0	3.3	.9	.1						20.5	7.9
CALM												3.1	
	8.9	22.8	38.0	23.4	3.1	.4	.2					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	1.8	.6								4.6	7.3
NNE	.6	1.3	1.7	.6								4.3	6.8
NE	.1	.8	.6	.1								1.6	6.7
ENE	.3	1.8	2.5	1.3	.1							6.0	8.1
E	.3	2.4	3.6	2.3								8.5	8.5
ESE	.8	.8	.8	.2								2.5	5.8
SE	.4	.3	.4									1.2	5.3
SSE	.2	1.0	.5									1.7	5.8
S	1.0	1.1	2.5	.4								5.0	6.6
SSW	.1	1.2	2.6	.8	.1							4.7	8.8
SW	.3	2.0	4.3	2.7	.4	.1						9.9	9.5
WSW	.4	1.5	3.4	3.1	.6	.3						9.5	10.6
W	.9	1.1	3.7	2.7	.1	.1						8.5	9.4
WNW	.4	.8	2.4	.6	.1							4.3	8.6
NW	.1	1.1	1.3	.6	.1							3.2	8.5
NNW	.4	.9	1.5	1.2	.1							4.1	9.0
VARBL	1.8	3.9	6.1	3.6	.5							15.9	8.2
CALM												4.4	
	9.0	23.1	39.7	20.9	2.3	.5						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.4	2.9	.2								6.5	6.4
NNE	.8	.8	1.9	.2								3.7	6.7
NE	.5	1.8	1.3	.4	.1							4.2	6.8
ENE	1.4	2.6	2.5	1.5	.1							8.1	7.4
E	2.2	5.2	3.8	.5								11.6	5.8
ESE	1.0	1.7	.8	.1								3.5	5.1
SE	.5	.9	.8									2.2	5.5
SSE	.8	.8	.2									1.7	3.9
S	1.4	1.3	1.3	.2								4.2	5.3
SSW	.2	1.9	1.9	1.2								5.3	7.9
SW	.9	2.7	2.8	1.3	.2							7.8	7.6
WSW	.3	2.0	3.4	1.5	.3							7.6	8.5
W	.6	2.7	4.8	2.8	.4							11.5	8.7
WNW	.4	.5	1.6	.5	.1							3.2	8.1
NW	.6	.8	.4	1.2								3.0	8.0
NNW	.4	.6	1.4	1.2	.2							3.9	8.9
VARBL	1.5	1.8	1.0	.2								4.5	5.2
CALM												7.5	
	14.6	30.4	32.8	13.1	1.5							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-70, 72-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.9	1.1									5.0	4.4
NNE	1.7	2.3	.5									4.4	4.2
NE	1.1	3.9	1.0	.1								6.1	5.1
ENE	1.9	5.1	2.3	1.4	.1							10.9	6.3
E	4.1	8.1	1.0									13.1	6.4
ESE	.7	1.1	.5									2.3	4.3
SE	1.2	.4										1.6	3.0
SSE	1.0	.2										1.2	2.8
S	1.2	1.4	.7	.2								3.6	5.3
SSW	.4	3.6	1.6	1.2								6.7	7.0
SW	.2	4.1	2.9	.7								7.9	6.9
WSW	.7	2.9	4.1	.7	.1							8.5	7.5
W	1.4	2.9	3.2	1.7	.1							9.3	7.3
WNW	.8	1.3	1.3	.2	.1							3.8	6.8
NW	.4	1.2	.4	.4								2.3	6.1
NNW	1.6	.5	.5	.2								2.7	4.7
VARBL	.2			.1	.1							.5	9.8
CALM												10.2	
	20.5	40.9	20.8	7.0	.6							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
MOSES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.6	1.6	.3								4.7	5.8
NNE	1.0	1.4	1.3	.3								3.9	5.8
NE	.6	1.5	.9	.3	.0							3.4	6.0
ENE	1.4	3.5	2.9	1.3	.1							9.3	6.9
E	2.0	5.3	3.9	1.2	.0							12.4	6.5
ESE	.5	.8	.4	.1								1.8	5.0
SE	.6	.6	.2	.1								1.5	4.6
SSE	.6	.7	.2	.0								1.6	4.4
S	1.0	1.2	1.3	.4	.0							4.0	6.1
SSW	.5	1.7	2.1	1.2	.1							5.5	9.1
SW	.5	2.2	3.3	1.6	.3	.1						7.9	8.6
WSW	.8	2.1	3.5	1.6	.3	.1	.0					8.4	8.5
W	1.0	2.8	3.5	2.1	.2	.0						9.6	8.0
WNW	.7	.9	1.3	.5	.1							3.4	7.4
NW	.4	.7	.8	.6	.0							2.4	7.7
NNW	.5	.7	.8	.6	.1							2.7	7.8
VARBL	1.6	1.9	2.6	1.3	.3	.0						7.6	7.3
CALM												9.8	
	15.0	29.5	30.7	13.4	1.4	.7	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

7190

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-70, 72-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	3.2	.9	.1								7.8	4.2
NNE	2.	2.1	1.5									6.0	4.7
NE	1.1	4.7	1.1									6.9	4.9
ENE	3.3	5.4	1.5									10.2	4.5
E	3.5	3.7	.9									8.0	4.2
ESE	.1	.5										.6	4.8
SE	.5	.5										1.0	3.6
SSE	.7	.7										1.5	3.5
S	.6	1.4	.7									2.7	5.1
SSW	.6	.9	.7	.9	.1							3.2	8.2
SW	1.0	1.2	1.5	.9								4.6	6.9
WSW	.7	2.5	3.3	.7								7.3	7.2
W	1.1	2.8	3.0	.5								7.4	6.3
WNW	1.1	2.0	1.1	.6								4.8	6.1
NW	1.0	1.1	.5									2.6	4.7
NNW	1.7	.9	.2									2.8	3.6
VARBL	1.0											1.0	2.0
CALM												21.5	
	24.3	33.6	10.8	3.7	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	1.9	1.0	.1								6.6	3.9
NNE	3.3	2.4	1.4									7.2	4.3
NE	1.5	3.2	1.1									5.8	4.7
ENE	3.1	5.2	1.8	.1								10.3	4.6
E	2.1	3.7	1.0									6.8	4.3
ESE	.5	.2	.1									.8	3.7
SE	.4	.4										.7	3.0
SSE	.4	1.1	.2									1.7	4.5
S	.7	.7	.1	.4								1.9	5.6
SSW	.8	1.4	.6	.6								3.7	6.5
SW	1.1	1.2	2.0	1.1								5.4	7.1
WSW	1.2	2.5	2.4	.6								6.7	6.6
W	1.9	3.2	3.7	.1								8.9	5.7
WNW	1.1	.8	.4	.1								2.4	4.7
NW	1.5	1.0	.6	.2								3.5	4.9
NNW	1.4	1.1	.1									2.6	3.5
VARBL	1.7	.1	.1									1.9	2.7
CALM												23.4	
	26.2	30.2	16.2	3.3								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 839

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.3	1.3	.3								6.8	4.9
NNE	2.4	1.1	1.2									4.8	4.1
NE	1.3	2.0	1.4									4.8	5.2
ENE	2.1	4.8	3.6	.2								10.7	5.7
E	3.9	3.8	3.4	.2								11.3	5.6
ESE	1.1	.1	.1									1.3	2.6
SE	.8	.3										1.1	2.7
SSE	.1	.7	.1									.9	5.3
S	.7	.9	.6	.3								2.4	5.8
SSW	.4	.2	1.7	.8	.1							3.2	8.8
SW	.4	.9	4.0	.7								6.0	7.9
WSW	1.6	3.2	2.6	1.1								8.4	6.7
W	1.9	3.9	3.0	1.0								9.8	6.4
WNW	1.0	1.8	1.2	.3								4.3	5.6
NW	.8	.9	.6									2.2	5.2
NNW	.7	1.2	.3									2.2	4.4
VARBL	1.3	.3	.6	.5								2.8	6.0
CALM												16.9	
	23.3	28.4	25.7	5.6	.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049 BITBURG AB GERMANY 69-78 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 0900-1100
CLASS HOURS L.S.T.
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	1 JAN WIND SPEED
N	.9	1.8	1.6	.4								4.7	6.5
NNE	.8	1.6	.9	.1								3.3	5.4
NE	.7	1.0	1.1	.1								2.9	6.1
ENE	1.4	2.1	2.9	1.1								7.6	6.8
E	3.1	4.7	4.4	1.0								13.2	6.2
ESE	.6	.8	.2									1.6	4.4
SE	.9	.7										1.6	3.4
SSE	.3	.4										.8	3.4
S	1.1	.6	1.6	.3								3.6	6.5
SSW	.3	1.2	1.9	1.3								4.8	8.8
SW	.8	1.0	3.0	1.8	.4							7.0	9.2
WSW	.9	2.7	3.0	2.7	.3							9.6	8.8
W	1.4	3.2	4.6	1.4	.2							10.9	7.3
WNW	.3	1.2	1.4	.2								3.2	6.8
NW	.4	1.3	1.1	.1								3.0	6.3
NNW	.4	.8	1.0	.1								2.3	6.5
VARBL	3.8	2.1	6.8	2.6	.1							15.3	7.0
CALM												4.8	
	18.2	27.1	35.4	13.3	1.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	2.2	.8	.1							3.3	7.5
NNE	.2	1.1	1.1	.1								2.6	6.4
NE	.1	.8	.9	.2								2.0	7.2
ENE	1.2	1.6	1.9	1.7								6.3	7.5
E	1.0	1.9	2.6	1.4								6.9	7.7
ESE	.9	.4	.4									1.8	4.3
SE	.1	.2	.7	.1								1.1	8.0
SSE	1.0	.8	.3	.1								2.2	4.9
S	.8	1.6	1.8	.2								4.3	6.5
SSW	.7	1.3	1.9	1.4								5.3	8.2
SW	.3	1.0	1.8	3.0	.3	.1						6.6	10.8
WSW	.4	1.4	2.7	3.8	.6	.1						9.0	10.8
W	1.1	1.9	3.2	4.9	.3							11.4	9.6
WNW	.3	1.4	1.4	.3								3.6	6.7
NW	.9	1.1	1.2	.6								3.8	6.9
NNW	1.1	1.2	1.3	.2								2.9	5.9
VARBL	3.0	3.3	11.0	4.0	.3							21.7	8.1
CALM												2.2	
	13.9	22.7	36.4	22.9	1.7	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.4	2.7	.7								5.2	8.0
NNE	1.1	1.8	2.3	.8								6.0	6.9
NE	.3	1.2	1.3	.4								3.3	7.4
ENE	1.0	1.1	3.0	1.0	.1							6.2	7.8
E	1.2	2.3	2.5	1.2								7.3	7.1
ESE	.8	.7	.4									1.9	4.6
SE	.2	.8	.4									1.4	5.5
SSE	.4	.2	.1									.8	4.1
S	1.1	.8	2.2	.6								4.7	7.1
SSW	.3	1.3	2.3	.6								4.8	7.9
SW	.3	1.2	1.7	2.6	.7							6.5	10.4
WSW	.4	1.7	2.6	3.6	.2	.1						8.6	10.1
W	.9	3.1	4.8	3.8	.3							12.9	9.1
WNW	.6	1.4	1.8	.3	.1							4.2	6.8
NW	.4	1.6	1.1	.3	.2	.1						3.8	7.8
NNW		1.1	2.1	.4								3.7	7.5
VARBL	2.1	2.9	7.2	3.2	.7	.1						16.2	8.4
CALM												2.4	
	11.8	24.7	38.7	19.7	2.3	.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	3.6	.1								6.3	6.1
NNE	.8	2.0	4.2	.6								7.6	7.3
NE	.2	1.9	2.6	.2								4.9	7.1
ENE	.8	2.8	2.3	.4	.1							6.4	6.6
E	1.9	3.3	1.8	.3								7.3	5.3
ESE	1.0	1.0	.2									2.2	3.8
SE	.3	.4	.1									.9	4.8
SSE		.6	.2									.8	5.9
S	.9	1.4	.7	.1								3.1	5.2
SSW	.3	1.1	1.6	.9	.1							4.0	8.1
SW	.8	1.7	2.4	.9	.2							6.0	7.5
WSW	.8	2.6	3.9	2.2								9.4	8.2
W	1.1	3.4	4.6	2.4	.3							11.9	8.1
WNW	.3	1.0	2.3	.8	.1							4.6	8.6
NW	.8	1.6	1.7	.1								4.1	6.1
NNW	.9	2.8	2.2	.8								6.7	6.5
VARBL	2.1	.2	1.4	1.2								5.0	6.7
CALM												6.8	
	14.7	30.8	35.8	11.1	.9							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.1	1.0									6.4	4.3
NNE	2.1	5.3	1.2	.4								9.0	5.0
NE	.6	4.2	1.8	.5								7.2	5.9
ENE	2.2	5.7	.7									8.6	4.4
E	4.1	3.1	.4									7.5	3.6
ESE	1.0	.9										1.8	3.1
Se	.7	.5										1.2	3.1
SSE	.6	.6										1.2	3.4
S	.5	1.2	.7	.1								2.6	5.6
SSW	.5	2.1	1.0	.7								4.3	6.6
SW	.7	1.8	3.2	.7		.1						6.7	7.7
WSW	1.0	2.5	2.1	1.8								7.4	7.7
W	2.2	4.6	2.7	.4								9.9	5.6
WNW	.9	1.6	.4	.2								3.1	5.3
NW	1.1	.9	1.2	.1								3.3	5.6
NNW	2.3	1.8	.5									4.6	3.8
VARBL	1.8		.2									2.1	2.9
CALM												13.1	
	24.8	39.8	17.1	5.1		.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.3	1.8	.3	.0							6.4	5.6
NNE	1.6	2.1	1.7	.2								5.7	5.5
NE	.7	2.3	1.4	.2								4.7	5.8
ENE	1.9	3.5	2.2	.6	.0							8.2	5.8
E	2.6	3.3	2.2	.5								8.6	5.5
ESE	.7	.6	.2									1.5	3.9
SE	.5	.5	.2	.0								1.1	4.3
SSE	.4	.6	.1	.0								1.2	4.4
S	.8	1.1	1.1	.3								3.2	6.1
SSW	.5	1.2	1.5	.9	.0							4.2	7.9
SW	.7	1.3	2.5	1.5	.2	.0						6.1	8.6
WSW	.9	2.4	2.8	2.1	.1	.0						8.3	8.4
W	1.5	3.3	3.7	1.9	.2							10.4	7.5
WNW	.7	1.4	1.3	.4	.0							3.8	6.5
NW	.9	1.2	1.0	.2	.0	.0						3.3	6.1
NNW	1.0	1.4	1.0	.2								3.6	5.5
VARBL	2.1	1.2	3.5	1.5	.1	.0						8.5	7.3
CALM												11.1	
	19.5	29.5	28.2	10.8	.8	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 6959

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-6200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.4	.7									6.4	3.5
NNE	2.4	2.1										4.5	3.4
NE	1.5	1.5										3.1	3.5
ENE	2.8	2.4	.9	.1								6.2	4.2
E	1.4	6	.8									8.4	4.7
ESE	.1	.4										.5	3.8
SE	.1	.3										.4	4.5
SSE	.3	.1										.4	3.0
S	.9	.3	.3									1.5	4.1
SSW	.2	.5	.8	.5	.1							2.2	8.8
SW	.5	3.3	3.5	.4								7.7	6.7
WSW	1.0	4.2	3.8	.8								9.8	6.7
W	2.2	4.1	4.1	1.6								12.1	6.8
WNW	2.0	.8	.2	.1								3.1	3.4
NW	2.2	1.3	.7	.4								4.6	4.6
NNW	2.0	1.2	.4	.2								3.8	4.3
VARBL	1.0	.7	.3	.1	.1							2.2	4.9
CALM												23.1	
	24.0	31.9	16.4	4.4	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

62-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.5	.3									7.5	3.6
NNE	1.4	1.5	.1									3.0	3.5
N°	1.1	1.2	.1									2.4	3.5
ENE	2.6	3.4	1.1									7.1	4.3
E	2.9	3.8	1.2									7.9	4.3
ESE	.2	.1	.1									.4	3.5
SE	.3	.2										.5	3.4
SSE	.2	.2	.2									.7	5.2
S	.7	.1	.7	.1								1.5	6.0
SSW	.9	1.4	1.2	.9								4.3	6.8
SW	.8	2.6	2.2	.1								5.6	6.1
WSW	1.4	3.5	5.3	1.3								11.5	7.2
W	1.7	3.8	3.8	.9								10.2	6.5
WNW	1.5	1.2	.5	.1								3.4	4.4
NW	1.5	.9	.4									2.8	3.8
NNW	1.5	1.4	.4	.2								3.6	4.5
VARBL	.8	.3	.2									1.3	4.1
CALM												25.2	
	23.2	29.1	17.9	3.6								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
NOTES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.4	1.2	.2								7.1	4.5
NNE	1.3	1.2	.8									3.3	4.5
NE	.9	1.0	.4									2.3	4.6
ENE	2.8	3.7	1.7	.1								8.4	4.8
E	2.8	5.1	2.3									10.2	5.0
ESE	.4	.1										.5	3.2
SE	.2	.1										.3	3.0
SSE	.2	.3										.5	3.4
S	.8	.4	.2	.1								1.5	4.5
SSW	.4	.9	1.4	.7	.2							3.6	8.4
SW	.8	2.0	3.8	.8	.1							7.4	7.5
WSW	1.1	4.5	4.1	2.5								12.2	7.6
W	1.8	2.3	4.7	1.2								10.0	6.9
WNW	1.7	2.4	.3	.2								4.7	4.7
NW	2.1	.7	.8									3.5	3.9
NNW	1.8	.8	.4									3.0	3.7
VARBL	2.1	.4	.3	.1								2.9	3.6
CALM												18.7	
	24.5	28.1	22.5	5.9	.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS; Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.4	1.3									4.5	5.6
NNE	.5	1.2	1.2	.2								3.1	6.2
NE	.5	1.1	.7	.1								2.4	5.5
ENE	.4	2.4	1.0	.4								4.2	6.1
E	2.1	3.3	2.6	.1								8.0	5.5
ESE	.8	1.3	.2									2.3	4.3
SE	.4	.5	.2									1.2	4.8
SSE	.9	.5	.1									1.5	3.6
S	.4	.9	1.0									2.3	5.8
SSW	.7	1.2	.9	.8	.1							3.6	7.7
SW	.8	1.7	3.8	.8	.4	.3						7.8	8.8
WSW		2.6	5.4	4.3	.5							12.9	10.0
W	.8	5.2	6.2	2.8								15.0	7.9
WNW	1.5	1.0	1.5	.5								4.6	6.1
NW	.8	.8	.4									2.0	4.7
NNW	.8	1.5	.7	.3								3.3	5.7
VARB	4.6	5.3	3.9	1.3								15.1	5.6
CALM												6.3	
	16.6	32.9	31.1	11.7	1.1	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.1	1.2	.2								5.0	5.5
NNE	.4	2.4	.7	.2								3.7	5.7
NE	.2	.9	.4	.1								1.6	6.1
ENE	.3	2.0	.8	.2								3.7	5.7
E	1.0	1.3	1.1									3.4	5.3
ESE	.2	1.1	.1									1.4	4.3
SE	.2	.5	.2									1.0	5.1
SSE	.4	1.0										1.4	4.3
S	.3	.8	1.2	.7								3.0	7.9
SSW	.3	1.6	1.6	.9	.2							4.7	8.2
SW	.4	1.7	4.1	2.0	.2	.1						8.6	9.2
WSW	.3	1.6	4.7	6.0	.7							13.2	10.9
W	1.1	2.9	5.5	4.8	.7	.1						15.1	9.5
WNW	.2	1.2	2.3	.5		.1						4.3	8.2
NW	.4	1.0	1.3	.3	.1							3.1	7.4
NNW	.5	1.3	1.4	.3								3.6	6.6
VARBL	4.2	5.8	8.3	2.3	.2							20.7	6.7
CALM												2.4	
	12.7	29.1	35.0	18.5	2.1	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049

BITBURG AB GERMANY

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.6	2.9	.5	.1							7.1	6.9
NNE	.7	1.6	.8	.2								3.3	5.7
NE	.8	1.1	.5	.1								2.5	5.1
ENE	.5	1.3	1.0	.4								3.3	6.7
E	1.2	1.8	1.0									4.0	4.8
ESE	.2	1.0	.3									1.5	5.2
SE	.4	.4	.1									1.0	4.4
SSE	.3	.5	.4									1.3	5.2
S	.4	1.3	.9	.3								2.9	6.4
SSW	.5	1.1	1.4	.3	.2							3.6	7.6
SW	.4	1.6	2.5	2.4	.1							7.1	9.3
WSW	.8	1.1	5.0	5.6	.2							12.7	10.2
W	1.1	2.3	8.0	6.3	1.1	.1						18.9	10.1
WNW	.3	1.3	1.8	.9	.1	.2						4.7	9.1
NW	.2	.2	1.5	.7								2.6	9.0
NNW	.7	1.2	2.5	.7								5.0	7.1
VARBL	4.1	4.6	5.1	2.7	.1							16.6	6.8
CALM												2.1	
	13.6	25.1	35.8	21.2	2.0	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

67-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.9	3.5	.2								10.4	5.5
NNE	.7	2.9	1.6									5.2	5.3
NE	.9	1.4	.4									2.7	4.6
ENE	.9	3.0	.8									4.7	5.0
E	2.5	1.6	.5									4.7	3.7
ESE	.7	.4	.2			.1						1.4	5.5
SE	.8	.3										1.1	3.4
SSE	.3	.5										.9	3.6
S	.7	1.2	.8	.2								2.8	6.0
SSW	.7	1.3	.9	.5								3.4	6.8
SW	.7	2.4	2.2	1.1								6.3	7.2
WSW	.9	2.9	5.1	3.2	.1							12.2	3.5
W	1.0	5.4	6.9	2.9	.3							16.5	8.0
WNW	.3	2.1	1.6	.4	.2							4.7	7.7
NW	.8	1.5	2.1	.9								5.2	7.2
NNW	1.2	2.2	3.2	.7								7.2	6.6
VARBL	1.0	2.0	1.6	.3	.3	.2						5.4	7.5
CALM												5.1	
	16.5	35.3	31.3	10.4	1.0	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049 BITBURG AB GERMANY 69-78 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.3	.9									7.9	4.3
NNE	2.2	3.4	.7									6.2	4.2
NE	2.2	2.5	.4									5.1	4.0
ENE	2.0	2.6	.5	.1								5.7	4.1
E	2.5	2.5	.1									5.1	3.6
ESE	.9	.5										1.4	3.4
SE	.7	.3										1.0	3.3
SSE	.2	.7										.9	4.0
S	.7	1.6	.7									3.0	5.1
SSW	.9	1.4	.7	.2								3.1	5.4
SW	1.2	2.8	3.0	.7								7.7	6.8
WSW	.8	4.0	4.4	1.0	.1							10.3	7.1
W	2.4	5.5	3.4	1.4	.1							12.8	6.3
WNW	1.4	2.2	.7	.1	.1							4.5	4.8
NW	1.7	2.1	.4	.3								4.6	4.8
NNW	2.7	1.5	1.0	.2								5.5	4.5
VARBL	.1	1.1	.1	.1								1.4	5.7
CALM												14.0	
	25.6	39.1	16.8	4.2	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.9	1.5	.1	.0							7.0	4.9
NNE	1.2	2.0	.7	.1								4.0	4.8
NE	1.0	1.3	.4	.0								2.8	4.5
ENE	1.7	2.6	1.0	.2								5.4	4.9
E	2.1	3.2	1.2	.0								6.5	4.7
ESE	.4	.6	.1			.0						1.2	4.4
SE	.4	.4	.1									.8	4.1
SSE	.4	.5	.1									1.0	4.1
S	.6	.8	.7	.2								2.3	5.9
SSW	.6	1.2		.6	.1							3.5	7.5
SW	.7	2.3		1.0	.1	.1						7.3	7.8
WSW	.8	3.1		3.1	.2							11.9	8.7
W	1.5	3.9	5.0	2.7	.3	.0						13.8	8.0
WNW	1.1	1.5	1.1	.4	.1	.0						4.2	6.2
NW	1.2	1.0	1.0	.3	.0							3.5	5.7
NNW	1.4	1.4	1.3	.3								4.4	5.5
VARBL	2.2	2.5	2.5	.9	.1	.0						8.2	6.2
CALM												12.2	
	19.6	31.3	25.9	10.0	.9	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

7357

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	3.0	2.6	.4									6.0	3.8
NNE	1.9	3.4										5.1	3.8
NE	1.0	2.6	.1									3.7	4.0
ENE	3.0	8.8	2.0	.1								13.8	4.9
E	2.3	6.2	.9									9.4	4.4
ESE	.7	.4										1.1	3.5
SE	.4	.4		.1								1.0	4.0
SSE	.5	.5	.3									1.4	4.3
S	.8	1.8	.8	.2								3.5	5.3
SSW	.4	1.2	.8	.2								2.6	6.1
SW	.3	2.3	2.5	.1								5.3	6.3
WSW	.9	2.1	3.5	.5								7.0	6.7
W	2.1	2.4	2.2	.1	.1							6.9	5.3
WNW	1.9	.9	.1									2.8	3.1
NW	1.2	.3	.7									2.2	4.3
NNW	2.4	1.1	.3									3.8	3.5
VARBL	.8	.2	.1									1.1	3.1
CALM												23.1	
	23.3	37.3	14.7	1.4	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 913

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.5	.4									5.7	3.7
NNE	1.8	1.9	.1									3.7	3.4
NE	1.6	2.1	.8									4.5	4.4
ENE	4.4	6.9	2.8									4.1	4.7
E	2.2	4.8	1.6	.1								8.8	4.9
ESE	.5	.2										.8	2.9
SE	.2	.1	.1									.4	4.0
SSE	.8	.3										1.1	3.1
S	.7	1.0	.4									2.1	4.7
SSW	.2	1.3	1.6	.3								3.5	7.0
SW	.3	.9	2.1	.9								4.6	7.9
WSW	.7	2.8	3.4	.3								7.2	6.4
W	.8	2.8	2.2	.2								6.0	6.0
WNW	1.3	.7	.5	.1								2.6	4.5
NW	1.2	.9	.9									3.0	4.7
NNW	1.5	1.0										2.5	3.0
VARBL	1.0	.1	.1									1.2	2.8
CALM												28.1	
	22.3	30.3	17.2	2.0								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 913

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-73
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.4	.8	.2								5.6	3.9
NNE	1.9	1.6	.9									4.4	4.2
NE	1.2	1.1	.7									3.0	4.4
ENE	3.1	5.8	3.7	.3								12.9	5.4
E	2.8	4.6	3.4	.4								11.3	5.5
ESE	.4	.5	.1									1.1	4.0
SE	.3	.1	.1									.5	3.6
SSE	.5	.5	.1									1.2	3.7
S	.3	1.1	.7	.2								2.3	4.0
SSW	.5	.9	.9	.7								3.0	7.3
SW	1.0	2.0	1.6	1.3								5.9	7.4
WSW	.7	3.2	3.5	1.5								8.9	7.5
W	1.6	2.4	2.6	.3								7.0	5.9
WNW	1.0	1.4	.4									2.8	4.5
NW	1.5	1.5	.4	.2								3.7	4.4
NNW	1.6	.7	.1									2.4	3.1
VARBL	1.6	.5	.1	.1								2.4	3.5
CALM												21.7	
	23.4	29.4	20.1	5.4								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

67-73
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED KNTS. Dir.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	1.3	1.5									4.7	5.2
NNE	.2	1.2	1.0									2.7	5.6
NE	.4	.3	.3									1.1	4.2
ENE	1.1	1.5	2.5	.4								5.6	6.5
E	2.4	6.3	8.0	1.2								17.9	6.5
ESE	.7	1.6	.4	.2								3.0	5.3
SE	.3	.4										.8	3.4
SSE	1.0	.7	.3									2.0	3.9
S	.3	1.2	.9	.3								2.7	6.2
SSW	.5	.8	1.9	2.2								5.4	9.6
SW	.7	2.5	2.2	1.5	.1							7.0	7.9
WSW	1.6	2.5	3.7	3.0	.5							11.4	8.7
W	1.2	2.7	2.6	1.6								7.5	7.1
WNW	1.2	.5	.7	.2								2.6	5.2
NW	.6	.4	1.4	.4								3.1	7.0
NNW	.9	1.2	1.1	.3								3.5	6.2
VARBL	2.8	2.1	5.5	1.5	.1							12.0	7.1
CALM												7.0	
	16.4	27.5	34.0	12.4	.8							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

914

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	1.7									4.4	5.7
NNE	.9	.5	1.1	.2								2.7	6.0
NE	.5	1.0	.3									1.9	4.9
ENE	.4	2.0	1.5	.5								4.5	7.0
E	.5	3.4	3.5	.9	.1							8.4	7.3
ESE	.3	1.1	1.0									2.4	6.0
SE	.8	.8	.4	.1								2.1	4.8
SSE	.8	.8	.3									1.9	4.4
S	.5	1.4	2.0	.7								4.6	7.2
SSW	1.0	1.1	2.0	1.9	.1							6.0	8.7
SW	.5	1.0	2.0	1.7	.2							5.5	9.2
WSW	.5	1.5	3.8	4.7	.7							11.3	10.3
W	.9	1.7	3.2	3.5	.3							9.6	9.3
WNW	.8	1.4	.9	.8								3.8	6.8
NW	.2	.5	.7	.9	.1							2.4	9.6
NNW	.4	.8	1.7	.1								3.1	6.9
VARBL	2.4	4.9	9.4	3.6								20.3	7.6
CALM												5.2	
	12.3	25.8	35.5	19.6	1.5							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049 BITBURG AB GERMANY 69-78 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.6									5.6	6.5
NNE	.3	.9	1.7	.2								3.2	7.3
NE	.3	1.6	1.0									3.0	5.6
ENE	1.3	2.0	3.3	.7								7.2	6.7
E	.8	2.5	3.7	.7								7.7	7.2
ESE	.5	1.2	.8									2.5	5.3
SE	.2	.5	.9									1.6	5.9
SSE	.7	1.2	.4									2.3	4.8
S	.4	1.3	1.2	.8								3.7	7.6
SSW	.3	2.0	1.5	2.1	.4							6.3	9.1
SW	.2	.5	3.0	2.3	.1							6.2	9.6
WSW	.7	1.7	2.6	4.9	.2							10.2	10.0
W	.7	2.5	3.8	4.4	.2							11.6	9.3
WNW	.8	1.2	.9	1.1								3.9	7.5
NW	.4	1.4	1.3	.9	.1							4.2	7.8
NNW	.7	1.1	1.5	.3								3.6	6.8
VARBL	2.3	3.3	6.8	2.3								14.6	7.3
CALM												2.6	
	11.4	27.2	37.0	20.7	1.1							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLAS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.7	2.2	.2								9.1	5.0
NNE	.7	2.4	2.1	.3								5.5	6.3
NE	.9	2.9	.5		.1							4.4	5.0
ENE	.8	4.5	1.0	.2								6.5	5.4
E	3.1	4.0	3.7	.1								10.9	5.3
ESE	1.3	1.8	.2									3.3	3.9
SE	.3	1.0	.3									1.6	5.2
SSE	1.1	.8	.1									2.0	3.6
S	1.2	1.1	.6	.1								3.2	4.8
SSW	.5	2.0	1.6	.8	.1							5.0	7.4
SW	1.4	1.8	4.0	.8								7.9	6.9
WSW	.5	2.0	4.0	1.3								7.8	8.2
W	1.4	3.4	3.5	2.6		.1						11.1	7.8
WNW	.7	1.4	1.1	.2								3.4	6.1
NW	.8	1.0	1.4	.3								3.5	6.7
NNW	1.2	2.6	1.5	.3								5.7	5.8
VARB	1.5	.2	.8	.3								2.9	5.4
CALM												6.3	
	20.4	36.4	28.9	7.7	.2	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	4.3	.6									8.8	3.7
NNE	2.2	2.1	.4									4.7	4.1
NE	2.2	3.2	1.1									6.5	4.6
ENE	3.0	5.3	1.5	.1								9.9	4.6
E	5.0	5.2	1.0	.1								11.2	3.9
ESE	.6	.8										1.5	3.6
SE	1.0	.7										1.7	2.9
SSE	1.1	1.1	.3									2.5	4.3
S	.8	1.5	.4									2.8	4.5
SSW	1.0	1.1	1.4	.1								3.6	5.6
SW	.3	2.4	3.2	.6	.1							6.6	7.1
WSW	.8	2.2	3.7	.6								7.3	7.1
W	1.6	2.0	2.2	.1								6.1	5.2
WNW	1.1	1.1	.6									3.4	3.9
NW	1.5	1.4	.8	.1								3.9	4.4
NNW	2.1	1.0	.6									3.6	3.8
VARBL	1.0	.1										1.1	2.7
CALM												14.9	
	30.1	35.4	17.8	1.7	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

909

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.4	2.5	1.3	.1								6.2	4.6
NNE	1.2	1.8	.9	.1								4.0	5.0
NE	1.0	1.8	.6		.0							3.5	4.6
ENE	2.1	4.6	2.3	.3								9.3	5.4
E	2.4	4.6	3.2	.4	.0							10.7	5.6
ESE	.7	1.0	.3	.0								2.0	4.6
SE	.5	.5	.2	.0								1.2	4.4
SSE	.8	.7	.2									1.8	4.1
S	.6	1.3	.9	.3								3.1	6.0
SSW	.4	1.3	1.5	1.0	.1							4.4	7.9
SW	.7	1.7	2.6	1.1	.1							6.1	7.8
WSW	.8	2.3	3.5	2.1	.2							8.9	8.3
W	1.3	2.5	2.8	1.5	.1	.0						8.2	7.3
WNW	1.2	1.1	.6	.3								3.2	5.3
NW	1.0	.9	.9	.4	.0							3.2	6.1
NNW	1.4	1.2	.9	.1								3.5	5.1
VARBL	1.7	1.4	2.8	1.0	.0							7.0	6.9
CALM												13.6	
	20.2	31.2	25.7	8.8	.5	.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

7305

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.9										5.1	3.1
NNE	1.7	1.8	.3									3.8	3.8
NE	1.8	2.0	.6									4.4	4.2
ENE	2.7	4.5	1.5									8.6	4.4
E	2.5	4.1	1.1									7.7	4.6
ESE	.9	.6	.1									1.6	3.7
SE	.9	.2		.1								1.2	3.2
SSE	.4	.3										.8	3.4
S	1.2	.8	.9	.2	.2							3.4	6.3
SSW	.8	1.6	2.3	.9	.3	.2						6.1	8.9
SW	.4	1.7	2.9	2.3	.4	.1						7.9	9.6
WSW	.6	2.2	4.5	3.0	.2							10.5	9.0
W	1.2	2.1	2.7	1.0								7.2	7.1
WNW	1.0	.6	.1	.1								1.8	3.8
NW	1.0	.3	.1									1.5	3.2
NNW	1.5	.6										2.0	3.2
VAR ¹	1.0	.1										1.1	2.1
CAL ¹												25.4	
	22.9	25.4	17.1	7.7	1.2	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.7	.3									6.7	3.3
NNE	1.6	1.4	.2									3.2	3.9
NE	1.6	1.4	.3									3.3	3.6
ENE	1.4	5.0	1.6	.1								8.4	5.3
E	2.5	4.5	.9									7.8	4.4
ESE	.7	1.0	.1									1.8	3.8
SE	.2	.4										.7	4.5
SSE	.6	.8										1.3	3.7
S	1.0	1.2	.8	.2								3.2	5.3
SSW	1.0	1.3	1.7	.9	.4	.1						5.5	8.3
SW	1.4	2.3	3.2	3.3	.1	.2						10.7	8.9
WSW	.8	3.5	2.7	2.9	.2							10.0	8.4
W	1.7	1.6	2.7	.8								6.7	6.6
WNW	1.0	.3	.4	.1								1.9	4.8
NW	1.3	.1		.1								1.6	3.1
NNW	1.3	.1										1.4	2.4
VARBL	.9			.1								1.0	3.8
CALM												24.7	
	22.6	27.8	15.2	8.6	.8	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	2.0	.7									6.6	3.6
NNE	1.1	1.3	.4									2.9	4.3
NE	1.1	1.3	.2									2.7	3.9
ENE	3.1	4.3	2.3	.1								9.8	5.0
E	2.2	4.9	1.9									9.1	5.0
ESE	.3	.2										.6	2.4
SE	.4	.6										1.0	3.9
SSE	.6	.6										1.1	4.1
S	1.0	.6	1.7	.2	.1							3.6	6.6
SSW	.8	1.1	1.5	2.3	.1							5.8	9.2
SW	1.1	2.2	2.3	3.6	.1	.3						9.7	9.2
WSW	1.2	3.1	3.8	3.0	.6							11.7	8.5
W	.8	1.3	2.5	.8								5.4	7.2
WNW	1.1	.2	.4									1.8	3.9
NW	.9	.2	.1	.1								1.3	3.8
NNW	.7	.3	.1									1.1	3.6
VARBL	1.0	.2		.3								1.6	5.1
CALM												24.2	
	21.5	24.6	18.0	10.5	.9	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	.6	.1								2.7	6.0
NNE	.7	1.0	.6	.2								2.5	5.3
NE	.9	.9	.9									2.7	5.5
ENE	2.1	2.8	4.2	.8								9.9	6.2
E	4.0	4.1	4.5	.3								12.9	5.5
ESE	.9	.2	.1									1.2	3.7
SE	.1	.2	.3									.7	5.2
SSE	1.0	.8	.8									2.6	4.4
S	1.0	.6	1.5	.6								3.6	7.0
SSW	.3	1.6	1.6	2.5	.3							6.2	10.1
SW	.4	1.2	3.0	3.7	.9							9.3	10.7
WSW	1.2	3.6	3.9	4.8	1.1	.1						14.7	9.5
W	1.8	2.7	3.2	1.0	.3							9.0	7.1
WNW	1.3	.6	1.1	1.0								4.0	6.4
NW	.8	.1	.2	.2								1.3	5.4
NNW	.2	.4	.6									1.2	6.0
VARBL	2.0	1.3	1.1	1.2	.3							6.0	6.9
CALM												9.4	
	19.3	23.7	28.1	16.4	3.0	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049 STATION BITBURG AB GERMANY 69-78 YEARS SEP MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	1.2									3.3	5.1
NNE	.6	.6	.9	.1								2.1	5.9
NE	.2	.7	1.7	.4								3.0	7.8
ENE	.9	1.6	3.1	.2								5.8	6.8
E	1.6	3.8	2.2	.1								7.7	5.6
ESE	.7	.7	.2									1.6	4.2
SE	.6	.7	.4	.1								1.8	5.2
SSE	.3	.6	.9									1.8	6.0
S	.4	1.0	1.3	.7	.3							3.8	8.4
SSW	.3	1.0	1.4	2.9	1.2	.1						7.0	11.8
SW	.6	1.3	3.8	2.9	.6	.1						9.3	10.3
WSW	.9	2.1	4.1	4.9	1.4	.3						13.8	10.8
W	1.4	3.2	3.5	2.5	.4							11.0	8.3
WNW	.4	1.1	2.0	.6								4.1	7.5
NW	.3	.4	.6	.7								2.0	7.9
NNW	.1	.6	1.0									1.7	7.0
VARBL	5.2	4.2	5.6	1.6	.9	.1						17.6	6.9
CALM												2.6	
	15.8	24.4	34.0	17.6	4.9	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.4	.1								3.0	6.6
NNE	.7	1.7	1.9									4.2	6.1
NE		1.1	1.1	.2								2.5	7.1
ENE	.6	2.0	3.3	.1								6.0	6.8
E	1.4	3.1	1.8									6.4	5.3
ESE	1.2	.9	.3									2.5	4.0
SE	.4	.3	.6	.1								1.4	5.8
SSE	.6	.9	.3									1.8	4.6
S	.9	1.2	2.2	.8	.3							5.5	11.0
SSW	.6	1.8	1.4	2.2	.9	.1						7.0	10.3
SW	1.8	1.4	3.1	3.0	.7	.1						10.1	9.1
WSW	.6	1.1	3.6	4.9	.6	.2						10.9	11.0
W	.8	1.9	3.8	4.1	.6	.1						11.3	9.9
WNW	.4	.8	1.9	1.6								4.7	8.9
NW	.4	1.0	1.8	.8								4.0	7.6
NNW	.8	1.1	1.4	.2								3.6	6.5
VARBL	4.0	3.1	3.2	1.0	.2							11.6	5.7
CALM												3.6	
	15.5	24.6	33.3	19.2	3.2	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2	.7	.1								5.2	4.1
NNE	.9	2.8	.6									4.2	4.5
NE	.8	3.3	1.2	.1								5.5	5.4
ENE	1.9	2.5	.6	.1								5.0	4.2
E	2.6	3.7	1.2	.2								7.7	4.7
ESE	1.6	1.5	.4									3.5	4.0
SE	.9	.3										1.2	3.0
SSE	.7	.9	.2	.1								1.9	4.9
S	1.0	1.3	1.5	.8		.1	.1					4.8	7.6
SSW	1.1	1.8	2.3	1.2	.4	.3						7.3	8.5
SW	1.5	2.8	2.7	1.9	.6							9.4	8.0
WSW	1.2	2.1	4.8	3.3	.1							11.6	8.6
W	.8	1.2	3.1	1.9								7.0	8.3
WNW	1.5	1.8	.7	.9	.2							5.0	6.6
NW	.4	1.0	.8	.2								2.5	6.9
NNW	.8	1.2	1.0	.2								3.2	5.7
VARBL	1.1	.7	.2	.1	.1		.1					2.3	5.9
CALM												12.6	
	20.9	31.1	22.0	11.3	1.5	.4	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.9	.4									5.4	3.6
NNE	1.6	2.5	.4									4.5	4.0
NE	1.7	3.3	.8									5.8	4.4
ENE	3.5	3.1	.7									7.2	3.9
E	4.1	5.6	1.2	.2								11.1	4.5
ESE	1.6	1.1	.1									2.8	3.4
SE	.8	.6	.1									1.4	3.2
SSE	1.2	.3	.3	.1								2.0	4.3
S	.4	1.7	.9	.2	.1	.2						3.6	7.6
SSW	.3	.6	2.5	1.0	.3							4.7	9.4
SW	.2	1.7	2.8	2.0	.7	.2						7.6	10.2
WSW	1.2	1.9	4.3	3.7								11.1	8.7
W	2.5	3.1	2.6	.9								9.0	6.0
WNW	1.4	.3	.6	.3								2.7	5.1
NW	.6	.7	.2	.1								1.6	4.9
NNW	.8	1.1	.2									2.1	4.3
VARBL	1.7	.2		.1								2.0	2.7
CALM												15.4	
	26.5	29.7	18.2	8.7	1.1	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	1.8	.7	.0								4.8	4.1
NNE	1.1	1.6	.7	.0								3.4	4.7
NE	1.0	1.8	.9	.1								3.7	5.1
ENE	2.0	3.2	2.2	.2								7.6	5.3
E	2.6	4.2	1.9	.1								8.8	4.9
ESE	1.0	.8	.2									1.9	3.8
SE	.5	.4	.2	.0								1.2	4.2
SSE	.7	.6	.3	.0								1.7	4.5
S	.9	1.0	1.3	.5	.1	.0	.0					3.9	7.2
SSW	.7	1.3	1.8	1.7	.5	.1						6.2	9.6
SW	.9	1.8	3.0	2.8	.5	.1						9.2	9.5
WSW	1.0	2.5	4.0	3.8	.5	.1						11.8	9.4
W	1.4	2.1	3.0	1.6	.2	.0						8.3	7.7
WNW	1.0	.7	.9	.5	.0							3.3	6.5
NW	.7	.5	.5	.3								2.0	5.8
NNW	.8	.7	.5	.1								2.1	5.1
VARBL	2.1	1.2	1.3	.6	.2	.0	.0					5.4	6.1
CALM												14.7	
	20.6	26.4	23.2	12.5	2.1	.4	.0					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

7169

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	.3									3.0	3.7
NNE	1.0	1.2	.9									3.0	4.8
NE	1.8	1.5	.9									4.2	4.3
ENE	2.3	4.4	2.3	1.0								9.9	5.6
E	3.0	6.4	3.3	.1								12.9	5.2
ESE	1.2	1.4	.1									2.7	3.8
SE	.5	.5	.2									1.3	3.9
SSE	.8	.6	.1									1.5	3.6
S	1.2	1.7	1.2	.5	.1							4.8	6.2
SSW	.5	.5	1.0	.6	.1	.1						2.9	8.8
SW	.5	1.4	1.8	1.8	.8	.1						6.5	9.9
WSW	.8	2.3	4.2	3.1	.3							10.7	9.2
W	1.3	3.2	4.2	2.1	.2							11.0	7.7
WNW	1.1	1.5	.9	.2								3.7	5.2
NW	.4	.5	.1		.1							1.2	6.1
NNW	.6	.5	.4									1.6	4.3
VARBL	1.2	.4	.1									1.7	3.1
CALM												17.4	
	19.8	29.5	22.0	9.5	1.6	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049 BITBURG AB GERMANY 69-76 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.5	.5									3.5	4.1
NNE	.8	.6	.2									1.6	4.1
NE	.6	2.6	.5									3.8	4.9
ENE	1.6	5.4	2.3	.8								10.0	5.8
E	4.1	5.4	3.0	.8								13.2	5.3
ESE	.6	1.1	.1									1.8	4.2
SE	.4	.9	.3									1.6	4.6
SSE	.3	.4	.2									1.0	4.4
S	.6	1.0	1.5									3.1	4.0
SSW	.8	1.0	1.1	.8	.3							3.9	8.2
SW	1.4	.6	2.6	1.1	.2	.3						6.2	8.7
WSW	1.2	2.2	3.5	3.0	.5							10.4	8.9
W	1.9	2.8	5.8	2.3	.1							12.9	7.8
WNW	.8	.3	.9	.3								2.3	6.3
NW	.8	.6	.3									1.7	4.2
NNW	.6	.6										1.3	3.8
VARBL	1.5	.6										2.2	2.7
CALM												19.5	
	19.6	27.6	22.9	8.9	1.2	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34042
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

UCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	.4									2.7	4.2
NNE	.9	.6	.4									1.9	4.7
NE	.6	1.7	.3									2.7	4.6
ENE	1.6	4.1	3.2	1.5								10.4	6.5
E	4.4	5.9	2.5	.6								13.4	5.0
ESE	.3	.2	.1									.6	3.8
SE	.2	.8	.2									1.2	4.3
SSE	.5	.5	.4									1.5	5.1
S	.9	1.2	1.5	.2								3.8	6.0
SSW	.8	1.1	1.7	.5	.1							4.2	7.2
SW	.2	1.3	2.0	1.5	.4							5.5	9.3
WSW	1.1	2.8	3.1	4.5	.9	.1						12.5	9.6
W	2.0	1.6	4.0	1.4	.2							9.2	7.4
WNW	.8	.6	1.1	.2								2.7	6.1
NW	1.0	.6	.3	.1	.1							2.2	5.4
NNW	.5	.4	.1									1.1	4.1
VARBL	1.4	.5	.3	.1								2.4	3.8
CALM												22.0	
	18.5	25.1	21.8	10.8	1.7	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	.4	.1								3.0	4.6
NNE	.8	.8	.4	.1								2.0	5.3
NE	.2	.4	.3	.2								1.2	6.3
ENE	.9	2.4	3.2	2.2	.1							8.7	8.3
E	2.9	5.2	5.0	2.8								15.8	7.0
ESE	1.7	1.3	.6									3.7	3.8
SE	.2	.9	.3									1.4	5.0
SSE	.6	.4	.3	.1								1.5	4.6
S	1.4	.9	1.7	.8								4.7	6.3
SSW	.3	.8	1.7	.8								3.6	9.2
SW	1.0	1.0	2.5	1.6	.4	.1						6.6	9.3
WSW	1.1	2.5	3.8	4.0	.8	.1						12.2	9.6
W	1.3	2.3	3.3	1.8	1.2							9.9	9.0
WNW	1.7	1.6	1.2	.6	.1							5.3	6.3
NW	1.0	.8	.9	.4								3.0	6.2
NNW	.6	.9	.9									2.4	5.2
VARBL	2.6	.6	.6	.3	.2							4.4	5.0
CALM												10.6	
	19.3	24.0	27.3	15.8	2.8	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.9	.2								3.0	6.0
NNE	1.0	.6	.9	.3								2.8	5.8
NE	.2	.4	.2	.2								1.1	6.4
ENE	.4	2.0	2.8	1.7	.1							7.1	8.4
E	1.9	3.2	4.8	2.0	.2							12.3	7.6
ESE	.5	.5	.2	.2								1.5	5.4
SE	1.1	1.0	.3									2.4	3.7
SSE	.5	1.0	.5	.1								2.2	5.6
S	.6	1.4	2.0	1.2								5.3	7.8
SSW	.6	1.4	1.9	1.1		.1						5.2	8.2
SW	.4	2.0	3.0	1.5	.3	.2						7.5	9.1
WSW	1.5	2.8	4.1	4.4	.3	.3						13.4	9.2
W	.4	2.3	4.1	2.6	1.0	.3						10.6	10.0
WNW	.4	.8	1.8	1.7								4.7	9.5
NW	.5	1.0	.5	.8								2.8	7.6
NNW	.4	.4	.4	.1								1.4	6.5
VARBL	4.5	2.2	2.0	1.5		.2						10.4	6.0
CALA												6.3	
	15.9	24.3	30.6	19.7	1.9	1.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	.5									2.6	5.3
NNE	.2	.9	1.9	.6								3.7	8.0
NE	.4	.6	.8	.1								1.9	6.4
ENE	.9	2.0	2.5	1.6								7.0	7.7
E	1.5	4.0	4.5	1.9								11.9	7.3
ESE	1.4	1.2	.3									2.9	3.8
SE	.9	.9	.1									1.8	3.6
SSE	.9	1.1	.5									2.5	4.5
S	1.2	2.3	1.4	.4								5.3	5.7
SSW	.4	2.3	2.6	1.2								6.5	7.5
SW	1.7	2.7	3.4	.8	.3	.2						9.1	7.5
WSW	1.3	1.7	4.0	3.3	.3	.1						10.8	9.3
W	1.1	1.9	4.2	2.2	.6							10.0	9.0
WNW	.1	.8	2.0	2.3	.3							5.5	10.5
NW	.3	.5	1.7	.1	.1							2.8	7.7
NNW	.3	1.0	.9									2.2	5.7
VARBL	2.6	1.1	.9	.8	.1							5.4	5.3
CALM												8.3	
	15.0	26.5	32.3	15.3	1.8	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	.8									3.5	4.2
NNE	.3	1.2	.8	.1								2.4	6.3
NE	.3	.8	1.1									2.2	6.3
ENE	1.2	4.0	3.0	.4	.1							8.7	6.3
E	3.4	8.8	3.5	.1								15.9	5.0
ESE	1.6	1.0										2.6	3.1
SE	.8	1.0	.1									1.8	3.8
SSE	.5	1.5	.2									2.3	4.7
S	.8	2.6	1.0	.4								4.7	5.9
SSW	1.1	1.8	1.6	1.0	.1							5.6	7.3
SW	.2	2.4	2.5	1.4	.1							6.6	8.1
WSW	.8	1.8	4.8	2.3	.2	.1						10.0	8.4
W	1.2	3.3	4.3	2.2	.1							11.1	8.0
WNW	.2	1.0	2.4	.4	.1							4.1	7.9
NW	.3	.8	.3	.2								1.6	6.3
NNW	1.4	.5	.1									2.0	3.3
VARBL	1.1	.2	.2	.3	.1							1.9	5.6
CALM												13.0	
	16.7	33.9	26.7	8.8	.9	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049

BITBURG AB GERMANY

67-78

UCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

2100-2300

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	.6									3.3	4.1
NNE	1.0	1.2	.9									3.0	4.9
NE	.4	2.2	.4									3.0	5.1
ENE	2.7	4.6	1.9	.9								10.1	5.5
E	4.6	7.2	4.3									16.1	4.9
ESE	.8	.5	.1									1.4	3.5
SE	.2	.6	.2									1.1	5.1
SSE	.5	1.1	.1									1.7	4.4
S	.5	2.0	.9	1.0								4.4	7.0
SSW	.6	.9	.5	1.1	.3	.1						3.5	9.3
SW	.4	1.1	2.0	1.1	.4							5.1	9.0
WSW	.8	2.5	4.7	2.5	.2							10.6	8.6
W	1.5	3.4	4.3	1.7								11.0	7.2
WNW	.4	1.3	.9	.4								3.0	6.5
NW	1.0	1.1	.4		.1							2.6	6.9
NNW	.2	.5	.1									.9	6.6
VARBL	1.9	.4	.2	.1								2.7	3.4
CALM												16.5	
	18.8	32.2	22.7	8.7	1.1	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049 BITBURG AB GERMANY 69-78 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	.6	.0								3.1	4.5
NNE	.7	.9	.8	.1								2.6	5.7
NE	.6	1.3	.6	.1								2.5	5.2
ENE	1.4	3.6	2.6	1.3	.0							9.0	6.6
E	3.2	5.8	3.9	1.0	.0							13.9	5.9
ESE	1.0	.9	.2	.0								2.2	3.8
SE	.5	.8	.2									1.6	4.2
SSE	.6	.8	.3	.0								1.8	4.6
S	.9	1.6	1.4	.6	.0							4.5	6.4
SSW	.6	1.2	1.5	.9	.1	.0						4.4	8.0
SW	.7	1.6	2.5	1.3	.4	.1						6.6	8.8
WSW	1.0	2.3	4.0	3.4	.4	.1						11.3	9.1
W	1.3	2.6	4.3	2.0	.4	.0						10.7	8.2
WNW	.7	1.0	1.4	.8	.1							3.9	7.6
NW	.7	.7	.6	.2	.1							2.2	6.2
NNW	.6	.6	.4	.0								1.6	4.7
VARBL	2.1	.8	.6	.4	.1	.0						3.9	6.9
CALM												14.2	
	18.0	27.9	25.8	12.2	1.6	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.7									1.0	5.5
NNE	.6	.2	.7	.2								2.3	6.0
NE	.3	1.1		.2								1.7	5.6
ENE	1.0	1.4	1.2									3.7	5.3
E	1.6	2.8	1.4	.1								5.9	5.0
ESE	.4	.6	.2									1.2	4.3
SE	.8	.3										1.1	2.7
SSE	.3	.2	.7	.1								1.3	6.4
S	1.1	1.2	1.1	1.9	.4							5.8	8.9
SSW	.7	1.4	3.0	2.0	1.8	.3						9.2	11.0
SW	1.1	1.9	5.7	5.3	.8	.7						15.4	10.6
WSW	.9	2.6	4.8	5.3	1.3	.2	.1					15.2	10.6
W	.7	2.3	4.4	4.3	.4	.4	.1					12.8	10.2
WNW	.7	1.1	.7	.6	.1	.1						3.2	7.7
NW	.6	.6	.9	.1								2.1	5.9
NNW	.3	.2	.6	.3								1.4	7.4
VARBL	1.3	.4	.2	.2								2.2	4.3
CALM												13.6	
	12.9	19.7	26.2	20.8	4.9	1.8	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

NDV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	.8									3.1	4.5
NNE	.3	.8	.7	.4								2.2	6.8
NE	.3	.2	.1	.2								.9	5.9
ENE	.6	2.0	1.0									3.6	5.7
E	1.0	2.3	1.2									4.6	5.3
ESE	.3	.6										.9	3.3
SE	.6	.4	.2									1.2	4.1
SSE	.1	.4	.6	.1								1.2	7.5
S	.6	.9	1.8	1.7	.4							5.3	9.6
SSW	.7	1.6	3.4	2.1	.6	.7						9.0	10.2
SW	2.0	2.1	4.2	5.6	.8	.7	.1					15.4	10.1
WSW	1.0	2.0	5.9	5.7	1.9	.2						16.7	10.8
W	.6	2.4	5.6	3.4	.4	.2						12.7	9.4
WNW	.3	1.2	.7	.7	.1							3.0	8.0
NW	.1	.4	.8	.1								1.4	6.7
NNW	.6	.2	.1	.1								1.0	4.8
VARBL	1.6	.1	.4	.1	.1	.1						2.4	6.0
CALM												15.3	
	11.8	19.9	27.4	20.2	4.3	1.9	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.9	.4	.3								2.1	5.3
NNE	.2	.3	.9	.2								1.7	7.4
NE	.6	.7	.4	.1								1.8	5.4
ENE	.9	1.0	1.0	.3								3.2	6.3
E	1.1	3.3	.9	.1								5.5	5.0
ESE	.7	.3	.1									1.1	3.3
SE	.2	.3	.1	.1								.8	6.0
SSE	.6	.8	.9	.1								2.3	5.9
S	.7	1.3	1.7	1.1	.4	.1						5.3	8.8
SSW	.8	2.3	3.1	3.0	.7	.3	.2					10.5	10.5
SW	1.1	2.9	5.2	5.0	.2	.6	.2					15.2	10.0
WSW	1.1	2.7	6.7	6.1	1.2	.8	.1					18.9	10.9
W	.9	2.1	3.9	2.7	.2	.2	.1					10.1	9.2
WNW	.8	.7	.8	.8								3.0	7.4
NW	.6	.3	.6									1.4	5.1
NNW	.6	.3	.4	.2								1.6	6.4
VARBL	.8	.6	.1	.3		.1						1.9	6.3
CALM												12.8	
	12.7	20.9	27.3	20.8	2.8	2.1	.7					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	.2	.2								1.6	6.5
NNE	.2	.8	.6	.4								2.0	7.4
NE	.3	.1	.8	.2								1.4	7.3
ENE	.9	1.0	1.1	.4								3.4	6.6
E	1.0	3.4	1.8	.1								6.3	5.4
ESE	.4	.1										.6	2.4
SE	.2	.2										.4	3.5
SSE	.4	.4	.1	.2								1.2	5.4
S	.1	1.1	1.0	1.9	.4							4.6	10.3
SSW	1.0	1.4	2.0	4.0	1.6	.6	.1					10.7	11.9
SW	.9	3.2	4.2	4.3	1.7	.2	.1					14.7	10.3
WSW	1.1	2.2	6.3	6.9	.9	1.0	.1					18.6	11.1
W	.4	2.2	5.7	3.6	.4	.1						12.4	9.5
WNW	.6	.8	.6	.8		.2						2.9	8.4
NW	.2	.9	.8	.2	.1							2.2	7.1
NNW	.3	.4	.4									1.2	5.1
VARBL	1.5	1.2	.8	.9	.4	.1						5.3	7.2
CALM												10.4	
	10.1	20.8	24.3	24.2	5.6	2.2	.3					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049 STATION BITBURG AB GERMANY 59-78 YEARS NOV
STATION NAME CLASS 1200-1400
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	1.3									2.1	7.0
NNE	.2	.1	1.0	.6	.1							2.0	9.1
NE	.1	.4	.4	.2								1.2	7.6
ENE	.2	.7	1.1	.2								2.2	7.5
E	1.3	3.3	2.7	.1								7.4	5.7
ESE	.2	.2	.2									.7	5.5
SE	.2	.3	.2									.8	5.0
SSE	.4	.3	.7	.1								1.6	6.1
S	.8	.4	1.7	.8	.3	.1						4.1	8.9
SSW	.4	1.0	2.8	3.0	1.7	.3						9.2	11.7
SW	.6	2.1	4.4	6.0	2.1	.2						15.4	11.5
WSW	.6	1.9	5.4	7.1	1.3	.3						16.7	11.3
W	.8	1.6	6.6	5.6	1.2	.3						16.0	10.6
WNW	.7	.7	2.7	1.6	.1	.1						5.8	9.6
NW	.3	.3	.8	.3								1.8	7.6
NNW	.1	.2	1.1	.3								1.8	8.1
VARBL	.9	1.4	.8	1.2	.3							4.7	8.3
CALM												6.6	
	8.1	15.7	33.9	27.1	7.2	1.4						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

ND
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.4	1.6	.1								2.3	6.8
NNE	.1	.4	1.4	.0								2.6	8.3
NE	.1	.4	1.1	.1								1.8	7.8
ENE	.4	1.0	.7	.3								2.4	6.4
E	2.4	3.2	1.4									7.1	4.8
ESE	.6	.8	.3									1.7	4.3
SE	.1	.3	.3									.8	6.1
SSE	.2	.2	.6	.1								1.1	6.5
S	1.0	1.6	2.3	1.3								6.2	7.5
SSW	.9	1.7	3.4	4.0	1.1	.2						11.3	10.6
SW	1.4	3.0	5.2	4.6	1.6	.2						16.0	10.0
WSW	.9	1.4	5.3	6.0	1.4	.4						15.6	11.0
W	.8	2.0	5.7	4.1	1.0							13.6	9.8
WNW	.1	.7	2.9	1.9	.4	.1						6.1	10.5
NW	.2	.4	.9	.2								1.8	7.1
NNW		.2	.9	.3								1.4	9.2
VARBL	.7	.6	.2	.1	.1							1.7	5.5
CALM												6.5	
	10.2	18.5	34.4	23.8	5.7	1.0						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.8	.6	.2								1.9	6.5
NNE	.7	1.8	.6	.3								3.3	5.9
NE	.4	1.7	.3									2.4	5.2
ENE	.2	1.6	.6	.1								2.4	5.9
E	1.4	3.6	1.8	.2								7.0	5.3
ESE	.6	.8										1.3	3.6
SE	.6	.6	.2									1.3	4.4
SSE	.2	.3	.7	.1								1.9	5.6
S	.6	2.0	2.3	1.4	.3							6.9	8.3
SSW	.9	2.4	3.0	2.6	1.1	.3	.2					10.6	10.5
SW	.9	2.2	6.8	5.2	1.3	.2						16.7	10.3
WSW	.7	1.7	6.3	5.6	1.3	.6						16.1	11.0
W	.7	2.6	4.8	3.3	.4	.2						12.0	9.6
WNW	.6	1.3	1.3	.4		.2						3.9	7.8
NW	.3	.6		.2	.1	.1						1.3	8.5
NNW	.2	.6		.3								1.1	6.2
VARBL	.1	.3		.7								1.1	9.5
CALM												5.5	
	10.1	24.7	29.3	20.8	4.7	1.7	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-78
YEARS

NDV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.8	1.0									2.6	5.6
NNE	.7	1.3	.3	.6								2.9	5.8
NE	.9	.6	.7									2.1	4.8
ENE	.9	1.4	.6	.2								3.1	4.9
E	1.3	3.9	2.1	.1								7.5	5.4
ESE	.7	.3	.1									1.1	3.4
SE	.3	.7	.2									1.2	4.4
SSE	.7	.6	.2									1.4	4.2
S	1.1	1.2	2.2	1.3	.3							6.2	8.4
SSW	.4	1.8	3.1	2.2	.4	.4						8.5	10.0
SW	.8	1.8	6.4	5.4	1.4	.3						16.1	10.8
WSW	1.0	2.8	6.4	5.9	.9	.4	.1					17.5	10.2
W	.4	1.6	4.9	3.2	.7	.7	.1					11.6	10.6
WNW	.9	.9	1.1	.2	.3							3.5	7.2
NW	.3	.8	.8	.2								2.1	6.6
NNW	.2	.4	.2									.9	5.3
VARBL	.4	.1	.3	.4	.2							1.6	9.0
CALM												10.1	
	11.9	21.0	30.7	19.8	4.3	1.9	.2					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

59-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
NOV (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.8	.8	.1								2.3	5.8
NNE	.4	.8	.8	.4	.0							2.4	7.0
NE	.4	.7	.5	.1								1.7	6.1
ENE	.6	1.3	.9	.2								3.0	6.0
E	1.4	3.2	1.7	.1								6.4	5.2
ESE	.5	.5	.1									1.1	3.8
SE	.4	.4	.2	.0								1.0	4.4
SSE	.4	.4	.5	.1								1.5	5.9
S	.8	1.2	1.8	1.4	.3	.0						5.6	8.8
SSW	.7	1.7	3.0	2.9	1.1	.4	.1					9.9	10.8
SW	1.1	2.4	5.3	5.2	1.2	.4	.1					15.6	10.5
WSW	.9	2.2	5.9	6.1	1.3	.3	.1					16.9	10.9
W	.7	2.1	5.2	3.6	.6	.3	.0					12.7	9.9
WNW	.6	.9	1.3	.9	.1	.1						3.9	8.6
NW	.3	.5	.7	.2	.0	.0						1.8	6.8
NNW	.3	.3	.5	.2								1.3	6.8
VARBL	1.0	.6	.4	.5	.2	.0						2.6	7.0
CALM												10.5	
	11.0	20.0	29.4	22.2	4.9	1.8	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

7193

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049 STATION BITBURG AB GERMANY 60-77 YEARS DEC
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.3	.8	.1								4.0	4.5
NNE	.2	.8	.3									1.3	5.6
NE	1.5	2.6	.5	.2								4.8	4.8
ENE	1.3	2.7	3.0	1.7	.4							9.1	7.7
E	2.2	4.5	5.3	1.0								12.9	6.4
ESE	.6	.6	.1									1.6	4.6
SE			.4									.4	7.3
SSE	.2	.3	.3	.3								1.2	7.5
S	1.0	1.7	.3	.4	.2							3.7	6.6
SSW	.9	1.8	2.3	.9	.4	.1						6.4	8.4
SW	1.3	2.2	3.6	2.5	.9	.3						10.7	9.4
WSW	1.2	2.4	4.3	3.0	.9	.1						11.8	9.3
W	1.0	1.3	3.2	4.6	.8		.2					11.1	10.9
WNW	.9	.4	.2	.4	.1							2.0	6.3
NW	.6	.6	.4	.2	.1							2.0	6.7
NNW	.5	.5		.3								1.4	6.0
VARBL	1.0	.6	.2	.1	.1	.2						2.3	6.9
CALM												13.2	
	16.1	24.4	25.5	15.8	3.9	.8	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

68-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L Y T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.9	.6									3.0	4.0
NNE	.5	.9	.2									1.6	4.7
NE	.6	1.9	.3	.5								3.4	6.1
ENE	1.8	3.0	3.3	1.8	.1							10.1	7.2
E	1.9	3.8	3.8	1.8	.1							11.4	6.9
ESE	.4	.5	.3									1.3	4.6
SE	.1	.1	.4	.2								.9	7.9
SSE	.2	.2	.2									.6	5.5
S	.8	1.6	.4	1.0								3.8	6.8
SSW	1.0	1.6	1.4	1.8	.2	.4						6.5	9.3
SW	1.2	3.2	4.3	2.2	.9	.3						12.0	8.7
WSW	1.1	1.4	5.2	3.8	1.2	.4						13.0	10.5
W	.9	.9	3.0	2.8	1.1	.2						8.8	10.5
WNW	.8	.5	.1	.4								1.8	5.6
NW	.3	.2	.3	.9								1.7	9.4
NNW	.2	.2	.3	.1								.9	6.6
VARBI	1.4	.5	.5	.3	.3							3.1	6.5
CALM												16.0	
	14.7	21.5	24.8	17.6	3.9	1.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

68-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	.3	.1								2.3	4.7
NNE	1.3	.4	.6	.1								2.5	4.5
NE	.4	1.4	.6									2.5	5.2
ENE	1.0	4.5	3.2	2.0	.2							11.6	7.3
E	1.3	2.9	4.3	1.6	.1							10.2	7.4
ESE	.2	1.2										1.4	4.4
SE	.3	.5	.2									1.1	4.5
SSE	.5	.5	.3									1.4	4.5
S	1.2	1.1	.6	.3								3.2	5.3
SSW	1.4	1.8	2.8	2.2	.4	.2						8.8	8.9
SW	.9	2.2	2.9	2.6	.5	.2						9.2	9.2
WSW	1.2	2.2	5.1	4.0	1.1	.5	.1					14.1	10.3
W	1.1	1.2	3.3	3.7	.3	.2						9.8	9.9
WNW	.1	.5	.3	.1		.1						1.2	7.8
NW	.3		.6	.2								1.2	7.7
NNW	.3	.6	.1	.1								1.2	5.1
VARBL	1.1	.9	.3	.4								2.7	5.5
CALM												15.7	
	14.0	23.0	25.8	17.4	2.7	1.3	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

68-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.2	.1									1.5	2.5
NNE	.9	.6	.5									2.0	4.7
NE	1.0	1.1	1.0									3.0	5.2
ENE	1.0	3.0	4.0	2.4	.1							10.4	7.9
E	2.7	4.6	4.8	2.0								14.2	6.6
ESE	.6	.4										1.1	3.2
SE	.3	.2	.3									.9	4.8
SSE	.4	.2		.2								.9	5.9
S	1.2	1.3	1.7	.5	.1							4.8	6.7
SSW	.4	1.5	2.2	1.5	.4	.1						6.1	9.5
SW	.3	3.6	4.1	2.4	.6	.3	.1					11.4	9.5
WSW	.4	1.7	5.2	3.6	1.2		.1					12.2	10.5
W	.6	1.9	3.6	4.0	.3	.2						10.7	10.2
WNW	.4	.6	.1	.1	.1							1.4	5.7
NW	.9	.6	.1	.4								2.0	5.4
NNW	.4	.8	.4	.1								1.7	5.7
VARBL	1.3	.2	.4	.9								2.8	6.6
CALM												12.8	
	14.1	22.7	28.5	18.1	2.9	.6	.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

66-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.3	.9	.2								2.0	6.0
NNE	.3	.4	.6	.4								1.8	7.8
NE	.4	.3	1.2	.1								2.0	7.1
ENE	.8	2.3	5.2	1.0	.4							10.4	8.6
E	2.7	5.8	4.7	1.4								14.6	6.3
ESE	.4	.5	.1	.1								1.2	4.6
SE	.2	.1	.5									.9	6.0
SSE	.2	.5	.2	.1								1.1	5.7
S	.9	.4	.8	.6	.1							2.8	7.2
SSW	.5	1.7	2.0	1.5	.2							5.0	8.8
SW	.4	2.7	3.9	3.1	.2							10.3	9.1
WSW	.6	2.3	4.1	5.6	.9	.3	.1					13.9	10.8
W	.9	1.3	4.6	3.2	1.3	.2						11.5	10.6
WNW	.1	.4	.5	.2	.1							1.4	8.2
NW	.1	1.0	.9	.3								2.3	7.2
NNW	.3	.9	.3									1.5	4.9
VARBL	2.4	.8	1.2	1.5	.2	.1						6.1	7.4
CALM												10.1	
	11.9	21.7	31.7	20.3	3.4	.6	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34049
STATION

BITBURG AB GERMANY
STATION NAME

68-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.4	.2								1.7	5.9
NNE	.2	.5	1.0	.2								1.9	7.4
NE	.2	.6	1.6									2.5	6.6
ENE	1.2	3.3	5.1	1.5	.2							11.3	7.6
E	3.9	5.8	3.9	1.0								14.5	5.6
ESE	.2	.6	.4									1.3	5.3
SE	.1	.6	.2									1.0	5.6
SSE	.1	.6	.5	.1								1.4	6.6
S	.9	1.4	1.4	.2								3.9	6.1
SSW	.3	1.3	2.6	2.5	.3							7.0	9.5
SW	.9	2.5	2.9	3.0	.8	.1						10.1	9.4
WSW	.5	2.3	3.9	3.4	.9	.2						11.2	10.1
W	.4	2.0	4.2	2.8	.8	.3						10.5	10.3
WNW	.1	.6	.8	.5	.2	.2						2.5	11.0
NW	.2	.8	.2	.5								1.7	7.3
NNW	.4	.9	.2	.1								1.6	4.7
VARBL	1.4	.9	.9	1.1	.3	.1						4.6	8.2
CALM												11.2	
	11.7	25.3	30.1	17.2	3.4	1.0						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

55-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	1.0	.2								2.5	6.4
NNE	.9	1.0	1.5	.1								3.4	6.2
NE	.5	1.6	1.6	.2								4.0	6.3
ENE	1.3	3.2	4.1	1.5	.2							10.3	7.4
E	2.9	5.2	5.5	1.2	.1							14.8	6.3
ESE	.3	.5	1.0									1.8	5.9
SE	.2	.4	.3									1.0	5.4
SSE	.6	.6	.3	.1								1.7	4.9
S	.6	.4	1.4	.5								3.1	7.3
SSW	.5	2.3	2.5	1.8	.3	.1						7.5	8.8
SW	.6	2.2	3.0	2.5	1.7	.3						10.3	10.6
WSW	.4	2.5	4.9	3.7	.5							12.0	9.4
W	1.1	1.9	3.0	2.9	.6	.1						9.7	9.5
WNW	1.0	.5	.3	.5	.3							2.7	7.9
NW	.5	.8	.3	.4		.1						2.2	7.3
NNW	.4	.2		.2								.9	6.1
VARBL	.9	.2	.4	.4	.2							2.2	7.7
CALM												9.9	
	13.4	24.4	31.2	16.3	4.1	.6						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34040
STATION

BITBURG AB GERMANY
STATION NAME

66-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
MOVES (L.F.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 -	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.8	.9	.4								2.9	6.2
NNE	.8	1.2	.9									2.8	5.5
NE	.6	1.6	.6	.0								3.5	6.6
ENE	1.9	3.8	3.2	1.6	.2	.1						10.9	7.0
E	1.6	6.0	3.5	1.4	.1	.1						12.8	6.8
ESE	.1	1.0	.3									1.4	5.8
SE	.1	.2	.2									.5	6.0
SSE	.2	.8	.4									1.4	5.5
S	.9	.9	1.3	.5								3.5	6.5
SSW	.6	1.1	2.8	1.5	.4							6.5	9.1
SW	1.1	2.3	3.0	2.8	1.3	.2						10.6	9.9
WSW	1.2	2.0	3.8	3.7	1.2	.4						12.3	10.1
W	1.1	2.7	3.0	4.7	.3							11.8	9.5
WNW	.4	.2	.3	.6								1.6	8.4
NW	.4	.2	.2	.2								1.1	6.1
NNW	.6	.8	.2	.1								1.7	4.9
VARBL	.5	.6	.2	.3								1.7	5.8
CALM												17.9	
	13.1	26.0	24.9	18.6	3.5	.9						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34049 STATION BITBURG AB GERMANY 68-77 YEARS DEC MONTH
ALL WEATHER CLASS ALL HOUSE (L.S.T.)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	.6	.2								2.5	5.1
NNE	.6	.7	.7	.1								2.2	5.8
NE	.7	1.4	.9	.2								3.2	5.9
ENE	1.4	3.2	3.9	1.8	.2	.3						10.5	7.6
E	2.4	4.8	4.5	1.4	.1	.6						13.2	6.5
ESE	.4	.7	.3	.6								1.4	4.9
SE	.2	.3	.3	.2								.8	5.8
SSE	.3	.5	.3	.1								1.2	5.7
S	.9	1.1	1.0	.5	.1							3.6	6.6
SSW	.7	1.6	2.3	1.7	.3	.1						6.8	9.0
SW	.8	2.6	3.5	2.6	.9	.2	.0					10.6	9.5
WSW	.8	2.1	4.5	3.6	1.0	.3	.0					12.6	10.1
W	.9	1.7	3.5	3.6	.7	.2	.0					10.5	10.2
WNW	.5	.5	.3	.4	.1	.0						1.8	7.8
NW	.4	.5	.4	.4	.0	.0						1.8	7.1
NNW	.4	.6	.2	.1								1.4	5.4
VARBL	1.2	.6	.5	.6	.1	.1						3.2	7.0
CALM												12.7	
	13.6	23.6	27.8	17.7	3.5	.9	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

68-78
YEARS

ALL
ROUTE

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	1.2	.2	.0							4.5	5.4
NNE	.9	1.3	1.1	.3	.0							3.6	6.0
NE	.7	1.4	1.0	.4	.0							3.6	6.4
ENE	1.4	3.0	2.5	1.0	.1	.0						8.1	6.8
E	2.2	4.3	3.1	1.0	.1	.0						10.6	6.2
ESE	.7	.7	.3	.0	.0	.0						1.7	4.4
SE	.4	.5	.2	.0	.0							1.2	4.7
SSE	.5	.7	.4	.1	.0	.0						1.7	5.3
S	.8	1.3	1.4	.8	.1	.0	.0					4.4	7.5
SSW	.5	1.4	1.9	1.6	.4	.1	.0					5.9	9.3
SW	.7	1.8	3.2	2.4	.5	.2	.0					8.8	9.5
WSW	.8	2.2	3.9	3.3	.6	.1	.0	.0				11.0	9.7
W	1.0	2.4	3.6	2.4	.4	.1	.0	.0				10.0	8.7
WNW	.7	.9	1.0	.5	.1	.0						3.3	7.3
NW	.6	.7	.8	.4	.0	.0	.0					2.4	6.8
NNW	.7	.8	.7	.3	.0	.0						2.5	6.3
VARBL	1.6	1.1	1.6	.9	.1	.0	.0					5.3	6.9
CALM												11.4	
	15.6	26.4	27.8	15.6	2.5	.6	.1	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

86646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34049
STATION

BITBURG AB GERMANY
STATION NAME

58-78
YEAR

ALL
MONTH

INSTRUMENT
CLASS

ALL
INSTRUMENT

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI w/CIG 200 FT OR MORE

SPEED (KNOTS) DIP	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.2	1.0	.2	.0							3.1	5.9
NNE	.5	.6	.9	.2	.0							2.3	6.7
NE	.5	.7	.7	.3	.0							2.2	6.5
ENE	1.0	1.8	2.1	.8	.1							5.8	7.0
E	1.8	3.6	2.7	.7	.1							8.8	6.1
ESE	.6	.6	.2	.0								1.4	4.1
SE	.4	.5	.2	.0								1.1	4.6
SSE	.5	.6	.4	.2								1.7	5.8
S	.8	1.4	1.6	1.1	.3	.0						5.2	8.0
SSW	.7	1.5	2.9	2.7	.7	.2	.0					8.8	10.1
SW	.9	2.4	4.8	4.3	1.1	.4	.0					13.9	10.2
WSW	.6	2.9	5.5	4.9	1.3	.3	.0					15.8	10.3
W	.9	2.5	4.2	2.6	.5	.1	.0					10.8	9.0
WNW	.6	.7	.6	.3	.1	.0						2.3	6.8
NW	.4	.4	.5	.3	.0	.0						1.7	7.4
NNW	.3	.4	.3	.2	.0							1.3	6.5
VARBL	1.6	.6	.3	.3	.1	.0	.0					2.9	5.4
CALM												10.9	
	13.1	22.5	29.0	19.1	4.2	1.1	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

19849

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

69-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ 0
NO CEILING		10.5	10.9	11.6	14.0	14.5	16.3	17.0	17.6	18.2	18.2	18.2	18.3	18.6	18.7	18.9
≥ 20000		11.1	11.4	12.2	15.2	16.0	18.2	18.8	19.5	20.0	20.0	20.0	20.1	20.4	20.5	20.8
≥ 18000		11.1	11.4	12.2	15.2	16.0	18.2	18.8	19.5	20.0	20.0	20.0	20.1	20.4	20.5	20.8
≥ 16000		11.1	11.4	12.2	15.2	16.0	18.2	18.8	19.5	20.0	20.0	20.0	20.1	20.4	20.5	20.8
≥ 14000		11.1	11.4	12.2	15.2	16.0	18.2	18.8	19.5	20.0	20.0	20.0	20.1	20.4	20.5	20.8
≥ 12000		11.1	11.4	12.2	15.4	16.2	18.4	19.0	19.7	20.2	20.2	20.2	20.3	20.6	20.8	21.0
≥ 10000		11.5	11.8	12.6	15.8	16.7	18.8	19.6	20.3	20.9	20.9	20.9	21.0	21.3	21.4	21.6
≥ 9000		11.9	12.3	13.0	16.2	17.1	19.2	20.0	20.9	21.4	21.4	21.4	21.5	21.8	21.9	22.2
≥ 8000		12.7	13.1	14.1	17.5	18.4	20.5	21.4	22.3	22.8	22.8	22.8	22.9	23.2	23.3	23.5
≥ 7000		13.1	13.8	15.3	18.7	19.6	21.9	22.8	23.8	24.3	24.3	24.3	24.4	24.7	24.8	25.1
≥ 6000		13.1	13.8	15.3	18.7	19.6	21.9	22.8	23.8	24.4	24.4	24.4	24.5	24.8	24.9	25.2
≥ 5000		14.7	14.8	16.3	19.8	20.6	23.0	23.9	24.8	25.5	25.5	25.5	25.6	26.0	26.1	26.3
≥ 4500		17.6	18.3	20.0	23.7	24.5	27.0	27.8	29.0	29.7	29.7	29.7	29.8	30.2	30.3	30.5
≥ 4000		18.7	19.5	21.4	25.2	26.0	28.5	29.5	30.6	31.3	31.3	31.3	31.4	31.8	31.9	32.2
≥ 3500		20.6	21.4	23.5	27.4	28.4	31.1	32.2	33.5	34.2	34.2	34.2	34.3	34.7	34.8	35.1
≥ 3000		23.2	24.1	26.2	30.4	31.4	34.2	35.3	36.7	37.3	37.3	37.3	37.4	37.8	38.0	38.2
≥ 2500		24.7	25.6	28.0	32.4	33.3	36.2	37.3	38.7	39.4	39.4	39.5	39.6	40.1	40.2	40.4
≥ 2000		29.7	30.5	33.0	38.3	39.6	42.5	43.5	44.9	45.6	45.6	45.7	45.8	46.3	46.5	46.7
≥ 1800		30.9	31.9	34.5	40.0	41.3	44.3	45.4	46.9	47.6	47.6	47.7	47.8	48.4	48.5	48.7
≥ 1600		35.7	37.0	39.6	45.2	46.7	50.2	51.6	53.2	54.0	54.0	54.2	54.3	54.8	54.9	55.2
≥ 1200		39.8	41.2	44.1	49.8	51.3	54.9	56.3	58.3	59.0	59.0	59.2	59.4	59.9	60.0	60.2
≥ 1000		42.0	43.9	47.1	53.5	55.1	58.9	60.8	62.9	63.7	63.7	63.9	64.0	64.5	64.6	64.8
≥ 900		42.7	45.2	48.4	54.9	56.5	60.3	62.3	64.4	65.2	65.2	65.4	65.5	66.0	66.1	66.3
≥ 800		44.4	47.5	51.4	58.7	60.5	64.7	66.7	69.0	69.8	69.8	70.0	70.1	70.6	70.8	71.0
≥ 700		45.6	49.1	53.4	62.8	64.8	69.0	71.0	73.5	74.5	74.5	74.7	74.8	75.4	75.5	75.7
≥ 600		45.8	49.5	54.1	64.2	66.6	71.4	73.4	76.0	77.0	77.0	77.2	77.3	77.8	78.0	78.2
≥ 500		46.2	50.0	55.5	66.7	69.2	74.6	77.1	80.9	81.9	82.0	82.3	82.4	82.9	83.0	83.2
≥ 400		46.2	50.0	55.6	67.6	70.3	76.2	79.4	83.5	84.6	84.7	84.9	85.1	85.6	85.7	85.9
≥ 300		46.5	50.2	55.9	68.3	71.3	77.6	82.0	86.6	88.2	88.3	88.6	88.7	89.8	89.9	90.1
≥ 200		46.5	50.2	55.9	68.4	71.4	77.8	82.7	87.7	89.6	89.8	90.4	91.1	92.8	93.7	95.3
≥ 100		46.5	50.2	55.9	68.4	71.4	77.8	82.7	87.7	89.6	89.9	90.8	91.8	93.9	95.7	99.5
≥ 0		46.5	50.2	55.9	68.4	71.4	77.8	82.7	87.7	89.6	89.9	90.8	91.8	93.9	95.7	100.0

Best Available Copy

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM 101 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34040

BITBURG AB GERMANY

69-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING		10.1	10.2	10.9	12.6	12.7	14.7	16.1	16.2	16.3	16.5	16.6	16.8	17.0	17.5	17.6
≥ 20000		10.9	11.0	11.7	14.1	14.5	16.7	18.1	18.2	18.3	18.4	18.5	18.7	18.9	19.5	19.6
≥ 18000		10.9	11.0	11.7	14.1	14.5	16.7	18.1	18.2	18.3	18.4	18.5	18.7	18.9	19.5	19.6
≥ 16000		10.9	11.0	11.7	14.1	14.5	16.7	18.1	18.2	18.3	18.4	18.5	18.7	18.9	19.5	19.6
≥ 14000		10.9	11.0	11.7	14.1	14.5	16.7	18.1	18.2	18.3	18.4	18.5	18.7	18.9	19.5	19.6
≥ 12000		11.0	11.1	11.8	14.5	14.9	17.1	18.5	18.6	18.7	18.8	18.9	19.1	19.4	19.9	20.0
≥ 10000		11.0	11.1	11.8	14.6	15.1	17.4	18.8	18.9	19.0	19.1	19.2	19.5	19.7	20.2	20.3
≥ 9000		11.2	11.3	12.0	14.8	15.3	17.6	19.0	19.1	19.2	19.4	19.5	19.7	19.9	20.4	20.5
≥ 8000		11.7	11.8	12.6	15.6	16.1	18.7	20.2	20.5	20.6	20.8	20.9	21.1	21.3	21.8	21.9
≥ 7000		12.2	12.3	13.3	16.3	16.9	19.5	21.1	21.4	21.5	21.6	21.7	21.9	22.2	22.7	22.8
≥ 6000		12.2	12.3	13.3	16.3	16.9	19.5	21.1	21.4	21.5	21.6	21.7	21.9	22.2	22.7	22.8
≥ 5000		12.7	12.9	14.0	17.2	17.7	20.4	22.0	22.4	22.5	22.6	22.7	22.9	23.1	23.7	23.8
≥ 4500		14.5	14.7	15.8	19.0	19.7	22.4	24.0	24.3	24.4	24.5	24.6	24.8	25.1	25.6	25.7
≥ 4000		15.5	15.8	16.9	20.5	21.2	23.9	25.7	26.1	26.3	26.5	26.6	26.8	27.0	27.5	27.6
≥ 3500		16.8	17.1	18.2	21.8	22.5	25.2	27.0	27.4	27.7	27.8	28.0	28.2	28.4	28.9	29.0
≥ 3000		19.2	19.6	20.9	25.2	25.9	28.6	30.4	31.0	31.3	31.4	31.5	31.7	31.9	32.5	32.6
≥ 2500		21.0	21.5	23.0	27.5	28.3	31.2	33.0	33.5	33.9	34.0	34.2	34.4	34.6	35.2	35.3
≥ 2000		24.1	24.9	26.7	31.6	32.4	35.4	37.3	38.0	38.4	38.5	38.7	38.9	39.2	39.8	39.9
≥ 1800		24.8	25.7	27.6	32.7	33.5	36.8	38.7	39.6	40.0	40.1	40.3	40.5	40.9	41.4	41.5
≥ 1500		30.9	31.8	34.2	39.7	40.5	43.9	45.9	46.9	47.3	47.4	47.6	47.8	48.2	48.7	48.8
≥ 1200		34.9	36.5	39.4	45.6	46.5	50.2	52.8	53.8	54.2	54.3	54.5	54.7	55.1	55.6	55.7
≥ 1000		38.7	40.5	43.7	50.9	51.7	55.7	58.6	59.8	60.2	60.3	60.5	60.8	61.2	61.7	61.8
≥ 900		39.7	42.0	45.3	52.6	53.4	57.5	60.6	61.9	62.4	62.5	62.7	62.9	63.3	63.9	64.0
≥ 800		41.9	44.5	48.1	56.2	57.3	61.9	65.1	66.6	67.1	67.2	67.4	67.6	68.1	68.6	68.7
≥ 700		42.6	45.5	49.5	58.7	59.9	64.9	68.4	69.9	70.4	70.5	70.8	71.0	71.4	71.9	72.0
≥ 600		43.5	46.5	50.5	61.1	62.5	67.6	71.3	73.0	73.5	73.8	74.0	74.2	74.6	75.2	75.3
≥ 500		44.6	47.5	51.8	63.2	64.9	70.9	74.6	77.3	77.8	78.2	78.4	78.6	79.0	79.6	79.7
≥ 400		44.7	47.6	51.9	64.1	65.9	72.4	77.6	80.3	81.2	81.5	81.8	82.0	82.6	83.1	83.3
≥ 300		44.9	48.1	52.4	64.8	67.1	74.3	80.3	84.1	85.3	85.8	86.3	86.7	88.0	88.5	88.7
≥ 200		44.9	48.1	52.4	65.1	67.4	75.1	81.3	86.0	87.5	88.2	88.7	89.0	91.3	92.6	93.9
≥ 100		44.9	48.1	52.4	65.1	67.4	75.1	81.3	86.1	87.7	88.6	89.1	90.0	92.9	94.9	99.0
≥ 0		44.9	48.1	52.4	65.1	67.4	75.1	81.3	86.1	87.7	88.6	89.1	90.0	92.9	94.9	100.0

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

69-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		7.4	7.8	8.4	9.8	10.0	11.1	12.0	12.5	12.6	12.6	12.7	12.7	12.8	13.2	13.4
≥ 20000		11.8	9.2	9.9	11.6	12.0	13.2	14.4	14.8	14.9	14.9	15.1	15.1	15.2	15.6	15.8
≥ 18000		8.8	9.2	9.9	11.6	12.0	13.2	14.4	14.8	14.9	14.9	15.1	15.1	15.2	15.6	15.8
≥ 16000		8.8	9.2	9.9	11.6	12.0	13.2	14.4	14.8	14.9	14.9	15.1	15.1	15.2	15.6	15.8
≥ 14000		8.8	9.2	9.9	11.6	12.0	13.2	14.4	14.8	14.9	14.9	15.1	15.1	15.2	15.6	15.8
≥ 12000		8.9	9.4	10.0	11.9	12.4	13.5	14.7	15.2	15.3	15.3	15.4	15.4	15.5	15.9	16.1
≥ 10000		9.2	9.8	10.4	12.4	12.8	14.0	15.2	15.6	15.7	15.7	15.8	15.8	15.9	16.3	16.6
≥ 9000		9.4	10.0	10.9	12.8	13.2	14.4	15.6	16.0	16.1	16.1	16.2	16.2	16.3	16.8	17.0
≥ 8000		10.6	11.3	12.2	14.3	15.1	16.2	17.5	18.0	18.2	18.2	18.3	18.3	18.4	18.8	19.0
≥ 7000		11.3	12.2	13.1	15.5	16.2	17.4	19.0	19.5	19.7	19.7	19.8	19.8	19.9	20.3	20.5
≥ 6000		11.6	12.5	13.4	15.8	16.6	17.7	19.4	19.8	20.0	20.0	20.2	20.3	20.4	20.9	21.1
≥ 5000		12.0	13.1	14.1	16.9	17.6	18.9	20.5	21.0	21.2	21.2	21.4	21.5	21.6	22.0	22.3
≥ 4500		13.3	14.5	15.5	18.4	19.1	20.6	22.6	23.0	23.2	23.2	23.4	23.5	23.7	24.1	24.4
≥ 4000		14.7	16.0	17.1	20.0	20.8	22.4	24.3	25.1	25.4	25.4	25.6	25.7	25.8	26.2	26.6
≥ 3500		16.0	17.3	18.4	21.4	22.2	24.0	25.9	26.7	27.0	27.0	27.2	27.3	27.4	27.8	28.2
≥ 3000		18.4	19.7	20.9	24.0	24.7	26.6	28.5	29.4	29.8	29.8	30.0	30.1	30.2	30.6	31.0
≥ 2500		20.5	21.9	23.3	26.7	27.5	29.5	31.4	32.4	32.8	32.8	33.0	33.1	33.2	33.7	34.0
≥ 2000		24.6	26.2	27.7	31.3	32.3	34.5	36.7	37.7	38.2	38.2	38.4	38.5	38.6	39.0	39.5
≥ 1800		25.6	27.3	28.8	32.5	33.4	35.7	37.8	39.1	39.6	39.6	39.8	39.9	40.0	40.4	40.9
≥ 1500		31.8	34.0	35.7	40.3	41.3	43.7	45.9	47.5	48.1	48.1	48.3	48.4	48.5	48.9	49.4
≥ 1200		36.2	38.9	41.4	46.2	47.3	50.3	52.7	54.3	54.8	54.8	55.1	55.2	55.3	55.7	56.1
≥ 1000		38.4	41.2	43.9	49.2	50.3	53.8	56.2	57.8	58.5	58.5	58.7	58.8	58.9	59.4	59.8
≥ 900		39.5	42.3	45.4	50.8	52.0	55.6	58.1	59.7	60.3	60.3	60.5	60.6	60.8	61.2	61.6
≥ 800		41.2	44.2	48.0	54.0	55.5	59.4	61.9	63.7	64.4	64.4	64.6	64.7	64.8	65.3	65.7
≥ 700		43.3	46.3	50.8	57.7	59.2	63.2	66.3	68.3	69.1	69.1	69.4	69.5	69.6	70.0	70.4
≥ 600		44.1	47.1	52.0	59.9	61.4	65.7	69.0	71.2	72.0	72.0	72.3	72.4	72.5	72.9	73.3
≥ 500		45.4	48.5	54.1	63.2	64.7	69.6	73.9	77.0	78.0	78.1	78.3	78.5	78.6	79.0	79.5
≥ 400		45.6	48.7	54.4	64.1	65.8	71.2	76.3	80.0	81.6	81.8	82.0	82.3	82.5	83.2	83.7
≥ 300		45.6	48.7	54.6	64.9	66.9	72.9	78.3	82.9	84.9	85.2	85.7	86.0	86.5	87.2	87.6
≥ 200		45.7	48.9	54.8	65.6	67.7	74.1	80.0	85.6	88.2	88.6	89.4	90.3	91.2	93.1	94.5
≥ 100		45.7	48.9	54.8	65.6	67.7	74.1	80.0	85.6	88.3	88.8	89.7	91.1	92.3	94.9	99.1
≥ 0		45.7	48.9	54.8	65.6	67.7	74.1	80.0	85.6	88.3	88.8	89.7	91.2	92.4	95.1	100.0

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Best Available Copy

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY

09-76

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
≥ 12000	4.8	5.3	5.4	7.4	7.6	6.5	9.2	10.1	10.9	11.1	11.1	11.1	11.2	11.3	11.6	
≥ 8000	7.0	7.4	7.6	10.0	10.2	11.5	12.8	13.8	14.5	14.8	14.8	14.8	15.1	15.2	15.5	
≥ 6000	7.3	7.8	8.1	10.4	10.6	11.9	13.2	14.2	14.9	15.3	15.3	15.3	15.5	15.6	15.9	
≥ 4000	7.3	7.8	8.1	10.4	10.6	11.9	13.2	14.2	14.9	15.3	15.3	15.3	15.5	15.6	15.9	
≥ 2000	7.3	7.8	8.1	10.5	10.9	12.2	13.4	14.4	15.2	15.5	15.5	15.5	15.7	15.8	16.1	
≥ 1000	7.8	8.4	8.6	11.2	11.5	13.2	14.5	15.5	16.5	16.8	16.8	16.8	17.0	17.1	17.4	
≥ 500	8.0	8.5	8.8	11.7	12.0	13.8	15.1	16.0	17.0	17.3	17.3	17.3	17.5	17.6	18.2	
≥ 200	9.5	10.1	10.4	13.5	14.0	15.8	17.2	18.3	19.2	19.7	19.7	19.7	19.9	20.0	20.5	
≥ 100	10.0	10.6	11.3	14.6	15.1	16.9	18.3	19.4	20.3	20.8	20.8	20.8	21.0	21.1	21.6	
≥ 50	10.1	10.8	11.4	14.7	15.2	17.0	18.4	19.5	20.4	20.9	20.9	20.9	21.1	21.2	21.7	
≥ 25	10.8	11.5	12.2	15.6	16.1	18.2	19.6	20.6	21.6	22.0	22.0	22.0	22.3	22.5	23.1	
≥ 12	12.2	13.0	14.1	17.7	18.3	20.5	21.9	23.3	24.3	24.7	24.7	24.7	24.9	25.2	25.8	
≥ 6	13.1	14.0	15.3	19.1	19.7	21.9	23.4	24.8	25.8	26.2	26.2	26.2	26.6	26.8	27.4	
≥ 3	14.4	15.6	16.9	21.1	21.7	24.0	25.6	27.1	28.1	28.5	28.5	28.5	28.8	29.0	29.7	
≥ 1	15.3	16.6	18.0	22.4	23.1	25.6	27.4	29.0	30.3	30.9	30.9	31.0	31.3	31.5	32.2	
≥ 1/2	17.8	19.5	21.2	25.6	26.5	29.1	31.0	32.6	33.9	34.7	34.6	34.8	35.2	35.4	36.0	
≥ 1/4	21.6	23.4	25.5	30.1	31.0	34.0	36.2	38.1	39.5	40.2	40.2	40.4	40.8	41.0	41.6	
≥ 1/8	22.5	24.3	26.5	31.2	32.0	35.2	37.4	39.4	40.9	41.6	41.6	41.8	42.2	42.4	43.0	
≥ 1/16	27.8	30.3	32.6	38.1	39.0	42.5	45.1	47.0	48.5	49.2	49.5	49.7	50.0	50.2	50.9	
≥ 1/32	31.6	34.4	37.0	42.9	43.9	47.4	50.3	52.5	54.0	54.7	54.9	55.2	55.5	55.7	56.3	
≥ 1/64	35.1	38.1	40.9	48.0	49.1	53.2	56.3	58.6	60.3	61.1	61.3	61.5	61.8	62.0	62.8	
≥ 1/128	35.8	38.9	41.7	49.0	50.2	54.3	57.5	59.8	61.6	62.4	62.6	62.8	63.1	63.3	64.1	
≥ 1/256	37.1	40.5	43.7	51.3	52.6	57.0	60.8	63.2	65.2	65.9	66.1	66.3	66.7	66.9	67.6	
≥ 1/512	38.8	42.6	45.8	54.2	55.5	60.3	64.1	66.7	68.8	69.6	69.8	70.0	70.3	70.5	71.3	
≥ 1/1024	39.4	43.2	46.5	55.5	56.8	61.7	65.5	68.1	70.4	71.2	71.5	71.7	72.0	72.3	73.0	
≥ 1/2048	39.8	43.7	47.1	57.0	58.4	64.3	68.6	71.5	74.5	75.4	75.8	76.0	76.7	76.9	77.7	
≥ 1/4096	39.9	43.9	47.6	58.2	60.0	66.6	71.4	74.9	78.6	79.8	80.2	80.6	81.5	81.7	82.6	
≥ 1/8192	40.0	44.0	47.8	58.5	60.4	67.3	72.4	76.1	81.2	82.9	83.7	84.4	85.9	86.2	87.4	
≥ 1/16384	40.0	44.0	47.8	58.6	60.5	67.6	72.8	77.1	83.1	85.4	86.7	88.2	90.4	91.8	94.4	
≥ 1/32768	40.0	44.0	47.8	58.6	60.5	67.6	72.8	77.1	83.2	85.6	87.1	88.6	91.7	93.5	99.7	
≥ 1/65536	40.0	44.0	47.8	58.6	60.5	67.6	72.8	77.1	83.2	85.6	87.1	88.6	91.7	93.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE, MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

9-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO. BY NO.	7.2	7.4	9.2	11.8	12.1	13.3	14.0	14.1	14.3	14.3	14.3	14.3	14.3	14.5	14.5	14.6
≥ 20000	10.2	10.7	13.1	16.1	16.7	16.3	19.1	19.3	19.6	19.6	19.6	19.6	19.6	19.7	19.7	20.0
≥ 15000	10.6	11.0	13.7	16.7	17.5	19.1	19.8	20.2	20.5	20.5	20.5	20.5	20.5	20.6	20.6	20.8
≥ 10000	10.6	11.0	13.7	16.7	17.5	19.1	19.8	20.2	20.5	20.5	20.5	20.5	20.5	20.6	20.6	20.8
≥ 7500	10.6	11.0	13.7	16.8	17.6	19.2	20.1	20.4	20.7	20.7	20.7	20.7	20.7	20.8	20.8	21.0
≥ 5000	10.6	11.1	13.8	16.9	17.7	19.3	20.2	20.5	20.8	20.8	20.8	20.8	20.8	20.9	20.9	21.1
≥ 2500	11.0	11.7	14.3	17.5	18.2	20.0	20.9	21.3	21.6	21.6	21.6	21.6	21.6	21.7	21.7	21.9
≥ 1500	11.1	11.8	14.6	17.9	18.7	20.4	21.4	21.7	22.0	22.0	22.0	22.0	22.0	22.1	22.1	22.3
≥ 1000	11.8	12.5	15.4	19.0	19.7	21.5	22.8	23.2	23.6	23.6	23.6	23.6	23.6	23.7	23.7	23.9
≥ 750	12.2	12.9	15.9	19.6	20.4	22.1	23.5	24.3	24.7	24.7	24.7	24.7	24.7	24.8	24.8	25.0
≥ 500	12.2	12.9	16.1	19.8	20.6	22.3	23.7	24.5	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.2
≥ 250	12.7	13.5	16.6	20.7	21.5	23.2	24.6	25.4	25.8	25.8	25.8	25.8	25.8	25.9	25.9	26.1
≥ 150	13.4	14.1	17.3	21.4	22.1	23.8	25.2	26.1	26.6	26.6	26.6	26.6	26.6	26.8	26.8	27.0
≥ 100	15.0	15.7	18.9	23.2	23.9	25.8	27.3	28.2	28.7	28.7	28.7	28.7	28.7	28.8	28.8	29.0
≥ 75	16.3	17.0	20.2	24.9	25.7	27.5	29.1	30.0	30.5	30.5	30.5	30.5	30.5	30.6	30.6	30.9
≥ 50	17.2	17.9	21.0	26.0	26.8	28.6	30.3	31.4	32.0	32.0	32.0	32.0	32.0	32.1	32.1	32.4
≥ 25	19.5	20.7	23.9	28.9	29.7	31.6	33.4	34.6	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.7
≥ 2000	24.2	25.8	29.1	34.2	35.2	37.4	39.6	40.9	41.6	41.6	41.6	41.6	41.6	41.7	41.7	42.0
≥ 1500	25.6	27.2	30.6	36.0	37.0	39.3	41.4	42.7	43.5	43.5	43.5	43.5	43.5	43.6	43.6	43.8
≥ 1000	31.7	34.0	37.8	43.7	44.7	47.1	49.5	51.0	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.4
≥ 750	36.5	39.3	43.4	49.7	50.8	53.4	55.9	57.5	58.6	58.7	58.7	58.7	58.7	58.8	58.8	59.0
≥ 500	39.6	42.8	47.8	55.0	56.4	59.1	62.1	64.0	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.8
≥ 250	40.5	43.9	48.9	56.9	58.3	61.1	64.2	66.1	67.5	67.6	67.6	67.6	67.6	67.7	67.7	68.0
≥ 150	41.9	45.5	50.9	59.7	61.1	63.9	67.3	69.5	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.4
≥ 100	43.0	47.0	52.5	61.9	63.3	66.6	70.1	72.7	74.3	74.6	74.6	74.6	74.6	74.8	74.9	75.1
≥ 75	43.4	47.6	53.2	63.6	65.3	69.4	73.4	76.2	77.8	78.1	78.2	78.3	78.3	78.4	78.4	78.6
≥ 50	43.6	47.9	53.6	64.4	66.2	71.1	75.9	79.2	81.8	82.1	82.3	82.4	82.5	82.5	82.5	82.7
≥ 25	43.7	48.0	53.8	64.7	66.6	71.7	76.9	80.6	84.3	84.8	85.3	85.4	85.5	85.5	85.7	85.9
≥ 2000	43.7	48.0	53.8	65.2	67.4	72.9	78.1	82.5	86.7	87.5	88.5	89.2	89.4	89.8	89.8	90.4
≥ 1500	43.7	48.0	53.8	65.3	67.5	73.0	78.3	82.8	88.0	89.2	90.6	92.0	93.0	94.8	97.1	
≥ 1000	43.8	48.1	53.9	65.4	67.6	73.1	78.4	83.0	88.2	89.4	90.9	92.4	93.7	96.0	99.8	
≥ 750	43.8	48.1	53.9	65.4	67.6	73.1	78.4	83.0	88.2	89.4	90.9	92.4	93.7	96.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34045 BITBURG AB GERMANY

9-75

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
≥ 1000	0.8	9.7	11.7	12.9	12.9	14.3	14.6	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
≥ 800	13.3	14.5	17.5	19.8	19.8	21.5	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.2	22.3
≥ 600	13.4	14.6	17.7	19.9	19.9	21.6	21.9	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.4
≥ 400	13.4	14.6	17.7	19.9	19.9	21.6	21.9	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.4
≥ 200	13.7	14.8	18.0	20.1	20.1	21.8	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.6
≥ 100	14.7	15.9	19.3	21.5	21.6	23.3	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9	24.0	24.1
≥ 50	15.4	16.7	19.8	22.5	22.6	24.8	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.8	25.9
≥ 30	15.6	16.9	20.2	23.3	23.4	25.7	26.2	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	26.8
≥ 15	15.9	18.3	21.6	24.7	24.8	27.2	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.4	28.5
≥ 10	17.3	18.7	22.0	25.4	25.5	27.8	28.6	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.2
≥ 5	17.4	18.8	22.2	25.5	25.6	28.0	28.8	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.4	29.5
≥ 3	17.8	19.2	22.6	25.9	26.0	28.4	29.2	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.8	29.9
≥ 2	19.0	20.4	23.8	27.2	27.3	29.7	30.5	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.1	31.2
≥ 1	20.9	22.3	25.5	29.2	29.4	31.8	32.7	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.2	33.3
≥ 0	22.8	24.2	27.5	31.5	31.7	34.2	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.6	35.7
≥ 0.5	24.6	26.0	29.4	33.7	33.9	36.5	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.8	38.0
≥ 0.2	27.3	28.9	32.5	37.0	37.2	39.8	40.9	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.4	41.5
≥ 0.1	32.9	34.7	38.4	43.4	43.7	46.6	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.4	48.5
≥ 0.05	34.5	36.6	40.2	45.4	45.6	48.6	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.5
≥ 0.02	40.4	43.0	47.0	53.1	53.3	56.9	58.3	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.1
≥ 0.01	44.0	47.3	51.5	58.6	58.8	62.8	64.4	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.4
≥ 0.005	45.7	49.4	53.9	62.7	62.9	67.3	69.0	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.6	70.9
≥ 0.002	46.1	49.9	54.6	63.5	64.0	68.9	70.6	71.7	72.4	72.5	72.5	72.5	72.5	72.5	72.7	73.0
≥ 0.001	46.8	50.6	55.7	65.1	65.7	70.9	72.9	74.2	75.3	75.4	75.4	75.4	75.4	75.5	75.7	76.0
≥ 0.0005	47.2	51.1	56.6	66.7	67.5	73.3	75.5	76.8	78.0	78.1	78.1	78.2	78.2	78.2	78.4	78.7
≥ 0.0002	47.6	51.6	57.2	67.6	68.5	75.1	77.4	78.8	80.2	80.3	80.3	80.4	80.4	80.4	80.6	81.0
≥ 0.0001	47.8	52.0	58.0	69.5	70.6	77.8	81.0	83.3	85.5	85.7	85.7	85.8	85.8	85.8	86.1	86.5
≥ 0.00005	47.8	52.0	58.0	69.6	70.9	78.4	81.6	84.4	87.7	88.0	88.5	88.7	88.7	88.7	89.0	89.6
≥ 0.00002	47.8	52.0	58.0	69.8	71.4	79.1	82.4	85.8	89.6	90.0	90.9	91.2	91.8	92.0	92.9	
≥ 0.00001	47.8	52.0	58.0	69.8	71.4	79.1	82.7	86.2	90.6	91.4	92.5	92.9	94.4	95.4	97.0	
≥ 0.000005	47.8	52.0	58.0	69.8	71.4	79.1	82.7	86.2	90.6	91.5	92.6	93.0	95.3	96.5	99.6	
≥ 0.000002	47.8	52.0	58.0	69.8	71.4	79.1	82.7	86.2	90.8	91.6	92.7	93.1	95.4	96.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

9-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
NO DATA	11.8	12.5	14.2	15.6	16.1	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.5	17.5	17.7
2 2000	15.6	16.8	18.9	21.5	22.0	23.5	23.8	23.8	23.8	23.9	23.9	23.9	23.9	24.2	24.2	24.4
2 1800	15.6	16.8	18.9	21.5	22.0	23.5	23.8	23.8	23.8	23.9	23.9	23.9	23.9	24.2	24.2	24.4
2 1600	15.7	16.9	19.0	21.6	22.1	23.6	23.9	23.9	23.9	24.1	24.1	24.1	24.1	24.3	24.3	24.5
2 1400	15.7	16.9	19.0	21.8	22.4	23.9	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.6	24.6	24.8
2 1200	16.3	17.5	19.5	22.7	23.3	24.3	25.1	25.5	25.5	25.6	25.6	25.6	25.6	25.8	25.8	26.0
2 1000	16.9	18.1	20.2	23.7	24.4	25.9	26.2	26.5	26.5	26.6	26.6	26.6	26.6	26.9	26.9	27.1
2 800	18.4	19.8	21.9	25.8	26.5	28.3	28.6	28.9	29.9	29.0	29.0	29.0	29.0	29.2	29.2	29.4
2 700	18.8	20.4	22.4	26.5	27.4	29.1	29.4	29.8	29.8	29.9	29.9	29.9	29.9	30.1	30.1	30.3
2 600	18.8	20.5	22.5	26.6	27.5	29.2	29.6	29.9	29.9	30.0	30.0	30.0	30.0	30.2	30.2	30.4
2 500	19.4	21.1	23.3	27.4	28.3	30.1	30.4	31.1	31.1	31.2	31.2	31.2	31.2	31.4	31.4	31.6
2 450	20.6	22.3	24.6	28.7	29.6	31.4	31.7	32.4	32.4	32.5	32.5	32.5	32.5	32.7	32.7	32.9
2 400	23.2	24.9	27.2	31.5	32.4	34.3	34.6	35.3	35.3	35.4	35.4	35.4	35.4	35.6	35.6	35.8
2 3500	25.0	26.8	29.1	33.8	34.6	36.8	37.1	37.8	37.8	37.9	37.9	37.9	37.9	38.1	38.1	38.3
2 3000	27.4	29.1	31.6	36.7	37.5	39.7	40.0	40.7	40.7	40.8	40.8	40.8	40.8	41.0	41.0	41.2
2 2500	29.9	31.7	34.3	39.9	40.8	42.9	43.3	43.9	44.0	44.1	44.1	44.1	44.1	44.3	44.3	44.6
2 2000	33.7	35.6	38.5	44.7	45.6	47.9	48.2	48.9	49.0	49.1	49.1	49.1	49.1	49.3	49.3	49.5
2 1800	35.7	37.6	40.6	47.4	48.3	50.8	51.1	51.8	51.9	52.0	52.0	52.0	52.0	52.2	52.2	52.4
2 1600	40.7	42.9	46.6	54.8	55.8	58.6	58.9	59.7	59.8	59.9	59.9	59.9	59.9	60.1	60.1	60.3
2 1400	44.2	47.0	51.2	59.5	60.7	63.5	64.0	64.7	64.8	64.9	64.9	64.9	64.9	65.2	65.2	65.4
2 1200	47.6	50.9	55.4	63.9	65.2	68.8	69.3	70.2	70.6	70.7	70.7	70.7	70.7	70.9	70.9	71.1
2 1000	48.1	51.6	56.3	64.8	66.1	70.3	70.8	71.7	72.1	72.2	72.2	72.2	72.2	72.4	72.5	72.7
2 900	49.4	53.0	58.3	67.2	68.5	72.8	73.8	74.8	75.3	75.4	75.4	75.4	75.4	75.6	75.7	75.9
2 800	50.5	54.3	60.1	69.9	71.4	76.3	77.6	78.5	79.1	79.2	79.2	79.2	79.2	79.4	79.5	79.7
2 700	50.7	54.6	60.6	70.7	72.3	77.5	78.7	79.7	80.4	80.5	80.5	80.5	80.5	80.7	80.8	81.0
2 600	50.9	54.9	61.2	72.5	74.1	79.4	81.2	82.4	83.2	83.3	83.3	83.3	83.3	83.5	83.6	83.8
2 500	51.1	55.1	61.6	73.5	75.4	81.7	84.0	86.0	87.3	87.4	87.5	87.5	87.5	87.7	87.8	88.0
2 400	51.3	55.3	61.9	73.8	75.8	82.2	85.0	87.6	89.8	90.1	90.8	91.2	91.5	91.8	92.1	92.1
2 300	51.3	55.3	61.9	73.9	75.9	82.3	85.1	88.0	90.7	91.3	92.4	93.4	94.5	95.3	96.3	96.3
2 200	51.5	55.4	62.0	74.0	76.1	82.4	85.2	88.1	91.0	91.6	92.8	93.7	95.3	96.5	99.4	99.4
2 100	51.5	55.4	62.0	74.0	76.1	82.4	85.2	88.1	91.2	91.7	92.9	94.0	95.6	96.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34040 BITBURG AB GERMANY

9-78

Jan

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING	20	26	32	38	44	50	56	62	68	74	80	86	92	98	104	110	116	122	128	134	140	146	152	158	164	170	176	182	188	194	200
2000	12.9	13.2	14.5	16.5	16.9	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.5
1800	14.4	15.2	16.6	19.1	19.7	21.4	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
1600	14.4	15.2	16.6	19.1	19.7	21.4	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
1400	14.4	15.2	16.6	19.1	19.7	21.4	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
1200	14.4	15.2	16.6	19.1	19.7	21.4	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
1000	15.1	15.8	17.2	20.0	20.7	22.4	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.9
800	15.5	16.3	17.7	20.6	21.4	23.1	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.7
600	16.0	17.0	18.4	21.9	22.8	24.7	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.5
400	16.9	17.9	19.3	23.1	24.1	25.9	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.9
200	17.0	18.0	19.6	23.3	24.2	26.0	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.0
100	17.7	18.7	20.6	24.4	25.4	27.4	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.6
50	20.8	21.9	23.9	27.8	28.7	31.1	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.3
25	23.0	24.2	26.3	30.4	31.3	33.7	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.0
12.5	25.6	26.8	29.0	33.2	34.1	36.5	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.8
6.25	27.4	28.7	30.9	35.4	36.4	38.8	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.2
3.125	29.4	30.8	32.9	38.1	39.1	41.4	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	43.1
1.5625	34.1	35.7	38.3	44.1	45.2	47.9	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.5
750	36.6	38.3	41.3	47.1	48.2	50.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5
500	40.0	42.9	46.3	52.9	53.9	56.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	59.0
250	45.9	48.5	51.7	58.9	60.0	62.9	63.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.3
100	48.3	50.9	54.8	62.8	63.9	67.0	68.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.5
50	49.0	52.1	56.1	64.0	65.2	68.5	69.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.2
25	51.0	54.7	59.1	67.4	68.8	72.3	73.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2
12.5	52.3	56.4	61.6	70.5	72.0	75.9	77.5	78.8	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4
6.25	52.3	56.4	61.6	71.2	72.7	77.1	78.8	80.1	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.7
3.125	53.1	57.2	63.0	73.3	75.1	80.4	82.7	84.2	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9
1.5625	53.2	57.3	63.1	74.6	76.6	82.7	85.6	87.3	87.5	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.2
750	53.2	57.3	63.2	74.8	77.0	83.1	86.4	88.8	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.9
500	53.2	57.3	63.2	74.8	77.0	83.2	86.8	89.6	90.4	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	93.6
250	53.2	57.3	63.2	74.8	77.0	83.2	86.8	89.7	90.5	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	95.4
100	53.2	57.3	63.2	74.8	77.0	83.2	86.8	89.7	90.5	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	99.5
50	53.2	57.3	63.2	74.8	77.0	83.2	86.8	89.7	90.5	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING		VISIBILITY															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO. OF	20	9.2	9.6	10.7	12.6	12.8	14.2	14.8	15.1	15.4	15.4	15.4	15.5	15.6	15.7	15.9	
2000	2000	11.4	12.0	13.4	15.9	16.4	18.0	18.8	19.1	19.4	19.4	19.5	19.5	19.6	19.8	20.0	
2000	2000	11.5	12.1	13.6	16.1	16.5	18.2	19.0	19.3	19.5	19.6	19.6	19.7	19.8	20.0	20.2	
2000	2000	11.5	12.1	13.6	16.1	16.5	18.2	19.0	19.3	19.5	19.6	19.6	19.7	19.8	20.0	20.2	
2000	2000	11.6	12.2	13.6	16.1	16.6	18.3	19.0	19.4	19.6	19.7	19.7	19.7	19.9	20.0	20.2	
2000	2000	11.7	12.4	13.8	16.5	17.0	18.7	19.5	19.8	20.0	20.1	20.1	20.2	20.3	20.5	20.7	
2000	2000	12.2	12.8	14.3	17.1	17.6	19.4	20.3	20.7	20.9	21.0	21.0	21.1	21.2	21.4	21.6	
2000	2000	12.4	13.1	14.7	17.7	18.2	20.0	20.9	21.3	21.6	21.6	21.6	21.7	21.8	22.0	22.2	
2000	2000	13.5	14.2	15.8	19.0	19.7	21.6	22.6	23.1	23.4	23.5	23.5	23.5	23.7	23.8	24.1	
2000	2000	14.7	14.8	16.6	20.0	20.6	22.6	23.7	24.2	24.5	24.6	24.6	24.7	24.8	25.0	25.2	
2000	2000	14.0	14.9	16.7	20.1	20.8	22.7	23.8	24.4	24.7	24.7	24.8	24.8	25.0	25.2	25.4	
2000	2000	14.7	15.6	17.4	21.0	21.7	23.7	24.8	25.4	25.7	25.8	25.8	25.9	26.1	26.2	26.5	
2000	2000	15.4	17.4	19.4	23.0	23.7	25.8	27.0	27.6	28.0	28.0	28.1	28.1	28.3	28.5	28.7	
2000	2000	18.0	19.1	21.1	24.9	25.6	27.8	29.0	29.7	30.1	30.2	30.2	30.3	30.4	30.6	30.9	
2000	2000	19.7	20.8	22.8	26.9	27.6	29.9	31.2	31.9	32.3	32.4	32.4	32.5	32.7	32.8	33.1	
2000	2000	21.6	22.7	24.8	29.2	30.0	32.2	33.6	34.5	34.9	35.0	35.0	35.1	35.3	35.5	35.7	
2000	2000	23.8	25.1	27.4	32.0	32.8	35.2	36.6	37.5	37.9	38.0	38.1	38.2	38.4	38.6	38.8	
2000	2000	28.1	29.6	32.2	37.2	38.1	40.8	42.3	43.3	43.7	43.8	43.9	44.0	44.2	44.4	44.6	
2000	2000	29.5	31.1	33.8	39.0	39.9	42.7	44.2	45.3	45.8	45.9	46.0	46.0	46.2	46.4	46.7	
2000	2000	35.0	37.0	40.0	46.0	46.9	49.9	51.6	52.8	53.4	53.5	53.7	53.7	53.9	54.1	54.4	
2000	2000	39.1	41.6	44.9	51.4	52.4	55.7	57.5	58.9	59.4	59.6	59.7	59.8	60.0	60.2	60.4	
2000	2000	41.9	44.7	48.4	55.7	56.8	60.5	62.5	64.0	64.8	64.9	65.1	65.2	65.4	65.5	65.8	
2000	2000	42.7	45.7	49.0	57.1	58.2	62.1	64.2	65.8	66.5	66.7	66.8	66.9	67.1	67.3	67.6	
2000	2000	44.2	47.6	51.9	59.9	61.2	65.4	67.8	69.4	70.3	70.5	70.6	70.7	71.0	71.2	71.5	
2000	2000	45.4	49.0	53.8	62.8	64.2	68.7	71.3	73.1	74.1	74.4	74.5	74.6	74.8	75.0	75.3	
2000	2000	45.8	49.5	54.5	64.2	65.7	70.7	73.4	75.4	76.4	76.7	76.8	76.9	77.2	77.4	77.6	
2000	2000	46.4	50.2	55.5	66.2	67.9	73.5	76.9	79.5	80.9	81.2	81.4	81.5	81.8	82.0	82.3	
2000	2000	46.5	50.3	55.8	67.0	68.9	75.1	78.1	82.1	84.1	84.5	84.8	85.0	85.3	85.6	85.9	
2000	2000	46.6	50.5	56.0	67.5	69.7	76.2	80.6	84.3	86.8	87.4	88.0	88.5	89.2	89.6	90.0	
2000	2000	46.6	50.5	56.0	67.7	69.9	76.5	81.2	83.4	88.5	89.3	90.3	91.1	92.6	93.8	95.5	
2000	2000	46.7	50.5	56.0	67.7	69.9	76.6	81.2	85.4	88.7	89.5	90.6	91.6	93.6	95.4	99.4	
2000	2000	46.7	50.5	56.0	67.7	69.9	76.6	81.2	85.4	88.7	89.6	90.6	91.7	93.7	95.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34041 BITBURG AB GERMANY

9-75

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
24	24.0	24.6	25.4	27.5	27.8	29.6	30.7	31.3	31.9	31.9	32.2	32.2	32.3	32.3	32.4												
25	25.7	26.4	27.2	29.6	29.9	31.9	33.1	33.7	34.3	34.3	34.5	34.5	34.6	34.6	34.8												
26	26.7	27.5	29.9	31.3	31.4	33.7	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.3	35.5												
27	26.7	27.5	29.9	31.3	31.4	33.7	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.3	35.5												
28	26.7	27.5	29.9	31.3	31.4	33.7	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.3	35.5												
29	26.7	27.5	29.9	31.3	31.4	33.7	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.3	35.5												
30	27.3	28.0	28.8	31.2	31.7	33.8	35.3	36.1	36.6	36.6	36.9	36.9	37.0	37.0	37.1												
31	27.7	28.4	29.2	31.6	32.0	34.2	35.7	36.5	37.1	37.1	37.4	37.4	37.5	37.5	37.6												
32	29.4	30.1	31.0	33.8	34.4	36.9	38.4	39.2	39.8	39.8	40.1	40.1	40.2	40.2	40.3												
33	30.0	30.7	31.6	34.4	35.0	37.5	39.1	40.0	40.5	40.5	40.6	40.6	40.9	40.9	41.0												
34	30.7	30.7	31.6	34.4	35.0	37.5	39.1	40.0	40.5	40.5	40.8	40.8	40.9	40.9	41.0												
35	31.7	32.9	33.7	36.5	37.1	39.6	41.3	42.1	42.7	42.7	42.9	42.9	43.0	43.0	43.1												
36	33.8	35.0	35.8	39.1	39.7	42.3	44.1	44.9	45.5	45.5	45.7	45.7	45.9	45.9	46.0												
37	35.3	37.2	38.4	42.0	42.6	45.5	47.3	48.1	48.7	48.7	48.9	48.9	49.1	49.1	49.2												
38	38.2	39.8	41.0	45.0	45.7	49.2	50.9	52.0	52.7	52.7	53.0	53.0	53.1	53.1	53.3												
39	41.0	42.8	44.1	48.6	49.3	52.7	54.5	55.6	56.3	56.3	56.5	56.5	56.6	56.6	56.8												
40	42.8	45.2	46.5	51.3	52.0	55.4	57.2	58.4	59.1	59.1	59.3	59.3	59.5	59.5	59.7												
41	45.3	47.6	49.2	54.6	55.3	58.7	60.5	61.7	62.4	62.5	62.8	62.8	62.9	62.9	63.1												
42	46.5	48.6	50.5	56.3	57.0	60.4	62.2	63.4	64.1	64.2	64.4	64.4	64.5	64.5	64.8												
43	50.2	52.6	54.7	61.5	62.2	65.7	67.6	68.9	69.6	69.9	70.1	70.1	70.2	70.2	70.4												
44	53.0	55.8	58.3	66.1	66.9	70.7	72.6	74.2	75.1	75.3	75.5	75.5	75.7	75.7	75.9												
45	54.7	57.7	61.3	70.1	71.0	75.1	77.2	79.0	79.8	80.0	80.3	80.3	80.4	80.4	80.6												
46	55.1	58.0	61.7	70.6	71.5	75.5	77.8	79.6	80.4	80.6	80.9	80.9	81.0	81.0	81.2												
47	57.2	60.2	63.8	73.5	74.6	79.1	81.3	83.3	84.4	84.6	84.9	84.9	85.0	85.0	85.2												
48	58.4	61.3	65.2	75.2	76.2	81.0	83.7	85.9	87.0	87.2	87.5	87.5	87.6	87.6	87.8												
49	59.7	61.7	65.8	75.9	77.0	81.8	84.8	87.1	88.2	88.4	88.7	88.7	88.8	88.8	89.0												
50	59.3	62.3	66.7	77.1	78.1	83.3	86.4	88.9	90.0	90.2	90.4	90.4	90.5	90.5	90.8												
51	59.5	62.4	66.9	77.3	78.4	83.7	86.8	89.4	90.7	91.0	91.4	91.5	91.6	91.6	91.8												
52	59.5	62.6	67.1	77.5	78.5	84.4	87.7	90.5	92.2	92.6	93.0	93.3	93.4	93.4	93.6												
53	59.6	62.6	67.1	77.5	78.6	84.4	87.8	90.8	92.9	93.6	94.2	94.4	94.7	95.2	96.2												
54	59.6	62.6	67.1	77.5	78.6	84.4	87.9	90.9	93.1	94.0	94.6	95.0	96.1	97.5	99.4												
55	59.6	62.6	67.1	77.5	78.5	84.4	87.9	90.9	93.1	94.0	94.6	95.0	96.2	97.9	100.0												

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NO CLOUDS	17.3	18.2	19.0	20.2	20.8	22.3	23.9	24.1	24.3	24.7	24.8	24.9	25.2	25.3	25.4
1-99	15.4	20.3	21.2	22.8	23.5	25.1	26.6	26.8	27.4	27.8	27.3	28.0	28.3	28.4	28.5
100-99	19.7	20.7	21.5	23.2	23.9	25.4	27.0	27.2	27.8	28.1	28.3	28.4	28.6	28.7	28.8
1000-9999	19.7	20.7	21.5	23.2	23.9	25.4	27.0	27.2	27.8	28.1	28.3	28.4	28.6	28.7	28.8
10000-99999	19.9	20.8	21.5	23.3	24.0	25.5	27.1	27.3	27.9	28.3	28.4	28.5	28.7	28.8	29.0
100000-999999	19.9	20.8	21.6	23.3	24.0	25.5	27.1	27.3	27.9	28.3	28.4	28.5	28.7	28.8	29.0
1000000-9999999	20.3	21.3	22.1	23.9	24.6	26.2	27.8	28.0	28.6	29.0	29.1	29.2	29.4	29.6	29.7
10000000-99999999	20.9	21.9	22.7	24.6	25.3	27.0	28.5	28.7	29.3	29.7	29.8	29.9	30.1	30.3	30.4
100000000-999999999	22.2	23.2	24.1	26.6	27.3	29.1	30.6	30.9	31.4	31.8	31.9	32.0	32.3	32.4	32.5
1000000000-9999999999	22.8	23.8	24.7	27.2	27.9	29.8	31.3	31.6	32.1	32.5	32.6	32.7	33.0	33.1	33.2
10000000000-99999999999	22.8	23.9	24.8	27.3	28.0	29.9	31.4	31.7	32.3	32.6	32.7	32.9	33.1	33.2	33.3
100000000000-999999999999	23.5	24.7	25.7	28.3	29.0	30.9	32.4	32.7	33.3	33.7	33.8	33.9	34.2	34.3	34.4
1000000000000-9999999999999	25.7	26.8	27.8	30.9	31.6	33.6	35.1	35.3	36.1	36.4	36.5	36.6	36.9	37.0	37.1
10000000000000-99999999999999	27.7	28.8	29.8	33.1	33.8	36.2	37.7	38.1	38.7	39.0	39.1	39.2	39.5	39.6	39.7
100000000000000-999999999999999	29.7	31.0	31.9	35.5	36.2	39.0	40.8	41.3	41.8	42.2	42.4	42.6	43.0	43.1	43.3
1000000000000000-9999999999999999	32.3	33.6	34.5	38.3	39.0	41.8	43.6	44.1	44.7	45.0	45.3	45.4	45.9	46.0	46.1
10000000000000000-99999999999999999	34.3	35.7	36.8	40.8	41.5	44.6	46.3	46.9	47.5	47.9	48.1	48.2	48.7	48.8	48.9
100000000000000000-999999999999999999	38.2	39.6	41.0	45.5	46.3	49.4	51.3	51.9	52.7	53.1	53.3	53.4	53.9	54.0	54.1
1000000000000000000-9999999999999999999	39.8	41.3	42.9	47.5	48.3	51.5	53.4	54.1	55.1	55.4	55.7	55.8	56.3	56.4	56.5
10000000000000000000-99999999999999999999	44.2	46.3	49.1	54.7	55.7	59.5	61.3	62.4	63.4	63.7	63.9	64.1	64.5	64.7	64.8
100000000000000000000-999999999999999999999	47.4	49.8	53.0	59.9	60.9	64.9	66.8	68.1	69.0	69.4	69.6	69.7	70.2	70.3	70.4
1000000000000000000000-9999999999999999999999	48.9	51.8	55.9	63.5	64.5	68.8	71.4	72.7	73.6	74.0	74.2	74.3	74.8	74.9	75.1
10000000000000000000000-99999999999999999999999	49.8	52.6	56.7	64.4	65.5	70.0	72.8	74.1	75.3	75.7	75.9	76.0	76.5	76.6	76.7
100000000000000000000000-999999999999999999999999	51.4	54.4	58.5	66.8	67.8	72.6	75.7	77.1	78.3	78.6	78.8	79.0	79.4	79.7	79.8
1000000000000000000000000-9999999999999999999999999	52.7	55.8	60.0	68.8	69.9	75.2	78.7	80.3	81.9	82.3	82.5	82.6	83.2	83.5	83.6
10000000000000000000000000-99999999999999999999999999	53.3	56.6	60.9	70.0	71.0	76.5	80.3	82.2	83.8	84.2	84.4	84.5	85.2	85.5	85.6
100000000000000000000000000-999999999999999999999999999	53.7	57.0	61.3	71.2	72.6	77.8	81.7	83.8	85.6	86.1	86.4	86.5	87.9	88.2	88.3
1000000000000000000000000000-9999999999999999999999999999	53.7	57.0	61.3	71.2	72.6	78.8	82.9	85.7	87.6	88.2	88.8	88.9	90.3	90.5	90.7
10000000000000000000000000000-99999999999999999999999999999	53.7	57.0	61.3	71.2	72.6	79.2	83.3	86.4	88.4	89.2	90.0	90.2	91.8	92.1	92.2
100000000000000000000000000000-999999999999999999999999999999	53.7	57.0	61.3	71.2	72.6	79.3	83.5	86.8	89.0	90.2	90.9	91.7	94.1	95.4	96.1
1000000000000000000000000000000-9999999999999999999999999999999	53.7	57.0	61.3	71.2	72.6	79.3	83.5	86.9	89.2	90.4	91.1	92.0	94.7	96.6	99.3
10000000000000000000000000000000-99999999999999999999999999999999	53.7	57.0	61.3	71.2	72.6	79.3	83.5	86.9	89.2	90.4	91.1	92.1	94.9	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34040 BITBURG AB GERMANY

02-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0600

	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1 1000	13.6	15.2	16.5	18.2	18.4	19.5	20.2	20.7	20.9	21.3	21.4	21.4	21.7	21.9	22.0		
2 1000	14.8	16.5	17.6	20.0	20.3	21.6	22.6	23.0	23.5	23.9	24.0	24.1	24.6	24.8	25.1		
1 900	15.0	16.8	18.1	20.2	20.6	21.9	22.8	23.4	23.9	24.2	24.3	24.5	24.9	25.2	25.4		
2 900	15.1	16.9	18.2	20.3	20.7	22.0	22.9	23.5	24.0	24.3	24.5	24.6	25.1	25.3	25.5		
1 800	15.2	17.0	18.3	20.6	20.9	22.2	23.2	23.8	24.2	24.6	24.7	24.8	25.3	25.5	25.8		
2 800	15.0	17.7	19.0	21.3	21.6	22.9	23.9	24.5	24.7	24.3	25.4	25.5	26.0	26.2	26.5		
1 700	14.1	17.8	19.3	21.5	21.9	23.2	24.1	24.7	25.2	25.5	25.7	25.8	26.2	26.5	26.7		
2 700	17.7	19.6	21.3	23.6	24.0	25.5	26.5	27.1	27.5	27.9	28.0	28.1	28.6	28.8	29.1		
1 600	16.3	20.4	22.1	24.6	25.1	26.6	27.5	28.1	28.6	29.0	29.1	29.2	29.7	29.9	30.3		
2 600	18.7	20.8	22.6	25.1	25.5	27.1	28.0	28.6	29.1	29.4	29.6	29.7	30.1	30.4	30.7		
1 500	19.5	21.7	23.5	26.1	26.6	28.1	29.1	29.7	30.1	30.5	30.6	30.7	31.2	31.4	31.8		
2 500	20.5	22.8	24.7	27.5	28.0	29.6	30.5	31.1	31.6	31.9	32.0	32.2	32.6	32.9	33.2		
1 400	21.9	24.1	26.0	29.1	29.7	31.9	33.1	33.8	34.3	34.6	34.8	35.0	35.5	35.8	36.2		
2 400	23.3	25.7	27.9	31.0	31.7	33.9	35.1	35.8	36.3	36.6	36.8	37.0	37.5	37.8	38.4		
1 300	24.7	27.2	29.8	33.0	33.8	36.2	37.4	38.1	38.5	38.9	39.0	39.2	39.7	40.1	40.7		
2 300	26.7	29.3	32.0	35.6	36.5	38.9	40.2	41.0	41.5	41.8	42.0	42.2	42.7	43.0	43.6		
1 200	30.7	33.5	36.4	40.2	41.1	43.6	45.2	46.1	46.7	47.0	47.2	47.4	47.9	48.2	48.8		
2 200	33.7	36.4	39.4	43.1	44.2	46.8	48.5	49.5	50.1	50.6	50.7	50.9	51.4	51.8	52.4		
1 100	39.7	42.2	45.5	51.1	52.4	55.2	56.9	58.2	58.7	59.2	59.3	59.6	60.0	60.4	61.0		
2 100	43.3	46.7	50.2	56.5	57.9	61.1	62.9	64.4	65.0	65.5	65.6	65.8	66.3	66.7	67.3		
1 000	44.2	47.8	51.7	58.7	60.4	64.1	66.5	68.2	69.1	69.6	69.7	70.0	70.4	70.8	71.4		
2 000	45.4	49.1	53.0	60.0	61.8	65.5	68.1	69.7	70.8	71.3	71.4	71.6	72.1	72.5	73.0		
1 900	46.6	50.8	55.0	62.2	64.1	68.0	71.0	72.8	73.9	74.3	74.5	74.7	75.2	75.5	76.1		
2 900	47.3	51.7	56.0	63.7	65.7	69.6	73.2	74.9	76.1	76.8	77.0	77.2	77.7	78.0	78.6		
1 800	48.2	52.8	57.4	65.4	67.5	72.1	76.0	77.9	79.1	79.6	79.9	80.1	80.6	81.0	81.6		
2 800	48.5	53.2	57.9	66.3	68.4	73.9	78.4	80.7	82.0	82.9	83.0	83.2	83.7	84.0	84.6		
1 700	48.6	53.3	58.2	67.1	69.4	75.2	80.1	83.5	85.3	86.3	86.4	86.6	87.1	87.5	88.1		
2 700	48.7	53.4	58.3	67.4	69.6	75.7	81.0	85.1	88.5	89.6	90.1	90.9	92.8	94.3	96.0		
1 600	48.7	53.4	58.3	67.4	69.6	75.7	81.0	85.1	88.5	89.6	90.1	90.9	93.0	95.3	99.1		
2 600	48.7	53.4	58.3	67.4	69.6	75.7	81.0	85.1	88.5	89.6	90.1	90.9	93.0	96.1	100.0		

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY

9-75

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
1000	10.0	11.7	13.5	15.4	15.6	16.1	16.6	16.9	17.9	18.1	18.1	18.1	18.6	18.6	19.2	
1200	12.2	13.7	16.1	18.8	19.1	20.1	20.9	21.3	22.3	22.5	22.5	22.6	23.2	23.3	24.5	
1400	12.2	14.0	16.4	18.8	19.3	20.4	21.2	21.7	22.6	22.9	22.9	23.0	23.6	23.7	24.9	
1600	12.2	14.0	16.4	18.8	19.3	20.4	21.2	21.7	22.6	22.9	22.9	23.0	23.6	23.7	24.9	
1800	12.2	14.0	16.4	18.8	19.3	20.4	21.2	21.7	22.6	22.9	22.9	23.0	23.6	23.7	24.9	
2000	13.4	15.2	17.5	20.0	20.5	21.6	22.4	22.9	23.8	24.1	24.1	24.2	24.8	24.9	26.1	
2200	13.9	15.6	18.4	20.9	21.3	22.4	23.2	23.7	24.6	25.0	25.0	25.1	25.7	25.8	27.0	
2400	15.5	17.7	20.7	24.2	24.8	25.9	26.8	27.4	28.3	28.7	28.7	28.8	29.4	29.5	30.7	
2600	15.9	18.2	21.4	24.9	25.6	26.8	27.6	28.2	29.1	29.5	29.5	29.6	30.2	30.3	31.5	
2800	16.1	18.5	21.7	25.2	25.9	27.1	28.0	28.6	29.5	29.9	29.9	30.0	30.6	30.7	31.9	
3000	16.8	19.3	22.5	26.1	26.8	28.1	28.9	29.5	30.5	30.8	30.8	30.9	31.5	31.6	32.8	
3200	18.0	20.6	23.8	27.5	28.2	29.5	30.3	30.9	31.9	32.2	32.2	32.3	32.9	33.1	34.2	
3400	18.6	21.3	24.5	28.4	29.3	30.9	31.9	32.7	33.9	34.4	34.4	34.5	35.1	35.3	36.6	
3600	19.5	22.6	26.2	30.8	31.6	33.4	34.4	35.4	36.6	37.1	37.1	37.2	37.8	38.0	39.6	
3800	22.0	25.1	28.9	33.6	34.6	36.5	37.4	38.5	39.9	40.4	40.4	40.5	41.1	41.4	42.9	
4000	24.6	27.7	31.6	36.6	37.6	39.6	40.5	41.7	43.4	44.0	44.0	44.1	44.7	44.9	46.4	
4200	28.0	31.4	35.9	41.4	42.3	44.7	45.6	47.3	48.9	49.5	49.5	49.6	50.4	50.6	52.1	
4400	29.7	33.2	37.9	43.4	44.3	46.8	47.7	49.4	51.1	51.7	51.7	51.8	52.5	52.7	54.3	
4600	33.4	37.2	42.3	48.7	50.1	52.6	53.8	55.5	57.3	57.9	57.9	58.1	58.8	59.0	60.5	
4800	35.8	39.6	45.3	52.0	53.8	56.4	57.6	59.5	61.4	62.0	62.0	62.1	62.8	63.0	64.6	
5000	37.9	41.9	48.2	56.3	58.2	61.5	63.0	64.9	67.4	68.6	68.0	68.1	68.8	69.1	70.6	
5200	38.3	42.3	48.5	57.0	59.0	62.3	64.0	65.9	68.4	69.0	69.0	69.1	69.8	70.0	71.6	
5400	39.0	43.2	49.9	59.4	61.5	65.2	66.9	69.1	71.8	72.4	72.4	72.5	73.2	73.5	75.0	
5600	39.7	44.0	50.6	60.7	63.0	66.9	69.7	71.9	74.9	75.5	75.6	75.7	76.4	76.7	78.2	
5800	40.2	44.7	51.5	62.0	64.3	68.6	71.6	73.9	77.3	78.0	78.1	78.2	78.9	79.1	80.7	
6000	40.6	45.1	52.1	63.3	65.8	70.7	74.3	76.9	80.9	81.6	81.9	82.1	82.8	83.1	84.6	
6200	40.6	45.1	52.1	63.4	66.0	71.1	74.8	78.0	82.5	83.6	84.0	84.2	85.0	85.2	86.7	
6400	40.6	45.1	52.1	63.5	66.1	71.3	75.4	79.3	85.3	86.7	87.6	88.0	89.3	89.7	91.4	
6600	40.6	45.1	52.1	63.5	66.1	71.3	75.4	79.3	85.7	87.2	88.0	88.7	90.8	92.4	99.3	
6800	40.6	45.1	52.1	63.6	66.2	71.4	75.5	79.6	85.8	87.3	88.2	88.9	90.9	92.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 544

2

CEILING VERSUS VISIBILITY

34040 BITBURG AB GERMANY

9-7c

FF3

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

[illegible]TOTAL NUMBER OF OBSERVATIONS 846

USAF STAC ¹⁰⁰ 3-14.5 (OL A) PREVIOUS EDITIONS OF THE FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BILTM RG AB GERMANY

69-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		18.4	19.4	20.1	21.6	21.9	22.5	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥20000		24.8	26.0	28.0	30.4	30.6	31.4	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥18000		24.0	26.1	28.1	30.6	31.0	31.8	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥16000		24.9	26.1	28.1	30.6	31.0	31.6	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥14000		24.9	26.1	28.1	30.6	31.0	31.8	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥12000		25.9	27.1	29.1	31.6	32.0	32.9	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥10000		28.0	29.3	31.3	32.8	34.3	35.1	35.3	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥9000		28.5	30.0	32.0	34.8	35.2	36.2	36.6	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥8000		30.5	32.0	34.0	37.0	37.7	38.9	39.6	39.7	39.8	40.0	40.0	40.0	40.0	40.0	40.0
≥7000		30.9	32.5	34.6	37.8	38.5	39.7	40.7	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0
≥6000		31.0	32.6	34.8	37.9	38.7	39.8	40.9	41.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3
≥5000		32.2	33.8	35.9	39.5	40.2	41.4	42.4	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8
IV 4500		32.7	34.4	36.5	40.4	41.1	42.3	43.4	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.7
IV 4000		33.5	35.1	37.4	41.5	42.2	43.4	44.4	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8
IV 3500		36.4	38.1	40.3	44.8	45.5	46.7	47.8	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.1
IV 3000		39.8	41.7	44.0	48.6	49.3	50.7	51.8	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1
IV 2500		43.7	45.6	48.3	53.3	54.0	55.4	56.5	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9
IV 2000		50.8	53.3	57.1	63.0	63.7	65.1	66.2	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5
IV 1800		52.0	54.1	58.6	64.7	65.4	66.8	67.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2
IV 1500		55.2	58.7	63.5	70.1	70.8	72.2	73.4	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1
IV 1200		57.7	61.6	66.7	73.2	76.0	77.5	78.7	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4
IV 1000		58.5	62.8	68.0	74.9	77.9	80.0	81.4	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2
IV 900		58.7	63.1	68.3	75.1	78.8	81.1	82.5	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3
IV 800		59.9	64.3	69.5	76.3	80.1	82.5	84.9	85.6	85.8	86.1	86.1	86.1	86.1	86.1	86.1
IV 700		60.6	65.1	70.8	78.1	82.4	85.2	87.0	87.7	87.9	88.2	88.4	88.5	88.5	88.5	88.5
IV 600		60.6	65.1	70.8	81.2	82.4	85.2	87.1	87.9	88.3	88.7	88.9	89.0	89.0	89.0	89.0
IV 500		60.9	65.4	71.2	81.7	83.0	86.1	88.2	89.2	90.0	90.4	90.7	90.8	90.8	90.8	90.8
IV 400		60.9	65.4	71.3	81.9	83.2	86.4	89.0	90.4	91.7	92.3	92.9	93.0	93.0	93.0	93.0
IV 300		60.9	65.4	71.4	82.0	83.3	86.5	89.4	91.1	93.0	93.7	95.2	95.7	95.4	95.0	95.6
IV 200		60.9	65.4	71.4	82.0	83.3	86.5	89.4	91.1	93.1	94.1	95.6	96.1	96.9	97.4	97.8
IV 100		60.9	65.4	71.4	82.0	83.3	86.5	89.4	91.1	93.1	94.1	95.6	96.1	96.9	97.4	97.8
IV 0		60.9	65.4	71.4	82.0	83.3	86.5	89.4	91.1	93.1	94.1	95.6	96.1	96.9	97.4	97.8

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

69-76

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000	25.3	26.2	27.2	29.1	29.6	30.4	30.5	30.6	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1
≥ 8000	29.1	30.1	31.4	33.8	34.5	35.6	35.8	36.1	36.3	36.4	36.5	36.5	36.5	36.5	36.5	36.5
IV 8000	29.4	30.5	31.8	34.2	35.2	36.4	36.6	36.9	37.2	37.4	37.5	37.5	37.5	37.5	37.5	37.5
IV 6000	29.4	30.5	31.8	34.2	35.2	36.4	36.6	36.9	37.2	37.4	37.5	37.5	37.5	37.5	37.5	37.5
IV 4000	29.4	30.5	31.8	34.2	35.2	36.4	36.6	36.9	37.2	37.4	37.5	37.5	37.5	37.5	37.5	37.5
IV 12000	30.0	31.1	32.4	34.8	35.8	37.0	37.2	37.5	37.8	37.9	38.1	38.1	38.1	38.1	38.1	38.1
IV 10000	31.8	32.9	34.4	36.9	37.9	39.1	39.4	39.6	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2
IV 9000	32.3	33.3	34.9	37.5	38.5	39.7	40.0	40.2	40.5	40.7	40.8	40.8	40.8	40.8	40.8	40.8
IV 8000	35.0	36.3	37.8	40.8	42.0	43.4	43.6	43.9	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4
IV 7000	35.8	37.1	38.9	42.2	43.5	45.0	45.3	45.5	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.1
IV 6000	35.8	37.1	39.0	42.3	43.6	45.3	45.7	46.0	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.6
IV 5000	37.0	38.3	40.2	43.7	45.0	46.7	47.2	47.4	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0
IV 4500	38.7	40.0	42.0	45.5	46.8	48.5	48.9	49.2	49.5	49.6	49.8	49.8	49.8	49.8	49.8	49.8
IV 4000	40.2	41.5	43.6	47.2	48.5	50.1	50.6	50.9	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5
IV 3500	44.4	45.7	48.0	51.7	53.0	54.6	55.3	55.7	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IV 3000	46.7	48.0	50.2	54.0	55.4	57.2	57.9	58.3	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9
IV 2500	49.2	50.5	52.7	56.7	58.4	60.4	61.1	61.5	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1
IV 2000	54.1	55.9	59.2	64.3	66.1	68.6	69.3	69.6	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2
IV 1800	55.3	57.1	60.6	65.7	67.5	70.0	70.8	71.2	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7
IV 1500	57.7	59.7	63.9	69.9	71.7	74.8	75.9	76.4	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2
IV 1200	59.3	61.5	66.4	72.9	75.3	79.0	80.3	80.7	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 1000	60.3	62.5	67.8	75.9	78.3	82.0	83.3	83.9	84.6	84.9	85.0	85.0	85.0	85.0	85.0	85.0
IV 900	60.6	62.9	68.3	76.6	79.0	82.9	84.2	84.9	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9
IV 800	60.8	63.0	68.6	77.2	79.6	83.6	85.1	85.9	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1
IV 700	61.5	63.7	69.3	78.4	80.7	84.8	86.6	87.7	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2
IV 600	61.8	64.1	69.6	78.8	81.2	85.3	87.2	88.7	89.7	90.0	90.2	90.2	90.2	90.2	90.2	90.2
IV 500	62.2	64.7	70.2	79.6	81.9	86.3	88.5	90.2	91.4	91.6	92.0	92.0	92.1	92.1	92.1	92.1
IV 400	62.2	64.7	70.2	79.9	82.3	86.6	89.0	90.9	92.1	92.3	92.7	92.8	93.0	93.0	93.0	93.0
IV 300	62.2	64.7	70.2	79.9	82.3	87.0	89.8	92.4	93.9	94.3	94.7	94.8	95.2	95.2	95.2	95.2
IV 200	62.2	64.7	70.2	79.9	82.3	87.0	89.8	92.6	94.1	94.8	95.7	96.0	96.8	96.8	97.6	97.6
IV 100	62.2	64.7	70.2	79.9	82.3	87.0	89.8	92.6	94.2	94.9	95.9	96.2	97.6	97.8	99.9	99.9
IV 0	62.2	64.7	70.2	79.9	82.3	87.0	89.8	92.6	94.2	94.9	95.9	96.2	97.8	97.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

09-76

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	27.2	27.5	28.3	31.4	31.9	33.0	33.5	33.7	33.8	33.8	33.8	33.8	34.0	34.0	34.2
≥ 2000	31.2	31.6	32.3	35.7	36.2	37.2	37.7	37.9	38.1	38.1	38.1	38.1	38.4	38.4	38.5
≥ 1800	31.6	31.9	32.6	36.1	36.8	37.8	38.3	38.5	38.8	38.9	38.9	38.9	39.2	39.2	39.4
≥ 1600	31.6	31.9	32.6	36.1	36.8	37.8	38.3	38.5	38.8	38.9	38.9	38.9	39.2	39.2	39.4
≥ 1400	31.6	31.9	32.6	36.1	36.8	37.8	38.3	38.5	38.8	38.9	38.9	38.9	39.2	39.2	39.4
≥ 1200	32.0	32.4	33.1	36.5	37.2	38.4	38.9	39.1	39.4	39.5	39.5	39.5	39.8	39.8	40.0
≥ 1000	33.9	34.3	35.0	38.4	39.1	40.3	40.8	41.3	41.5	41.6	41.6	41.6	42.0	42.1	42.2
≥ 900	34.0	34.4	35.1	38.5	39.2	40.4	40.9	41.4	41.6	41.7	41.7	41.7	42.1	42.2	42.3
≥ 800	35.5	35.8	36.6	40.4	41.3	42.8	43.3	43.7	44.0	44.1	44.1	44.1	44.4	44.6	44.7
≥ 700	35.8	37.1	37.9	41.7	42.6	44.2	44.7	45.2	45.4	45.6	45.6	45.6	46.0	46.1	46.2
≥ 600	36.8	37.1	37.9	41.7	42.7	44.3	44.8	45.3	45.5	45.7	45.7	45.7	46.1	46.2	46.3
≥ 500	38.1	38.9	39.7	44.0	45.0	46.7	47.2	47.6	47.9	48.1	48.1	48.1	48.5	48.6	48.7
≥ 450	40.5	41.4	42.2	46.5	47.5	49.3	49.9	50.4	50.6	50.8	50.8	50.8	51.2	51.3	51.4
≥ 400	42.4	43.4	44.3	48.6	49.6	51.9	52.6	53.1	53.3	53.5	53.5	53.5	53.9	54.0	54.1
≥ 350	45.6	46.6	47.9	52.2	53.3	55.6	56.4	56.9	57.1	57.3	57.3	57.3	57.7	57.8	57.9
≥ 300	48.1	49.1	50.4	55.2	56.3	58.6	59.5	59.9	60.2	60.4	60.4	60.4	60.8	60.9	61.0
≥ 2500	50.4	51.4	52.7	57.9	59.0	61.3	62.2	62.8	63.0	63.2	63.2	63.2	63.6	63.7	63.8
≥ 2000	54.6	56.1	58.3	64.3	65.4	67.8	68.7	69.4	69.6	69.9	69.9	69.9	70.2	70.3	70.4
≥ 1800	55.3	56.9	59.0	65.0	66.2	68.7	69.5	70.2	70.6	70.8	70.8	70.8	71.2	71.3	71.4
≥ 1600	59.6	61.2	64.3	70.9	72.1	74.7	75.5	76.2	76.6	76.8	76.8	76.8	77.2	77.3	77.4
≥ 1400	60.8	62.6	66.1	73.3	74.6	77.7	78.7	79.4	79.8	80.0	80.0	80.0	80.4	80.5	80.6
≥ 1200	62.4	64.4	68.1	76.2	77.8	81.3	82.4	83.1	83.6	83.9	83.9	83.9	84.3	84.4	84.5
≥ 1000	63.4	65.5	69.6	78.3	79.8	83.3	84.4	85.3	85.8	86.2	86.2	86.2	86.5	86.6	86.8
≥ 900	63.9	66.1	70.2	79.8	81.3	84.9	85.9	87.0	87.5	87.8	87.8	87.8	88.2	88.3	88.4
≥ 800	64.1	66.2	70.4	80.4	82.0	85.7	87.4	88.4	88.9	89.2	89.2	89.2	89.6	89.7	89.8
≥ 700	64.4	66.5	71.3	81.3	83.2	86.9	88.8	89.8	90.3	90.7	90.7	90.7	91.0	91.1	91.3
≥ 600	64.8	66.9	71.6	81.8	83.7	87.5	89.5	90.9	91.5	91.8	91.8	91.8	92.2	92.3	92.4
≥ 500	64.8	66.9	71.6	82.2	84.0	88.1	90.1	91.5	92.1	92.4	92.4	92.4	92.6	93.0	93.3
≥ 400	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.7	93.5	93.9	93.9	93.9	94.4	94.6	94.9
≥ 300	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.9	93.7	94.2	94.3	94.3	94.7	95.4	96.0
≥ 200	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.9	94.0	94.4	94.6	95.0	96.0	97.2	99.3
≥ 100	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.9	94.0	94.4	94.6	95.0	96.0	97.2	99.3
≥ 0	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.9	94.0	94.4	94.6	95.0	96.0	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE ICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	18.6	19.7	20.8	22.7	23.1	24.2	24.8	25.0	25.4	25.5	25.6	25.6	25.8	25.9	26.0	
≥ 20000	21.0	23.1	24.5	27.0	27.5	28.8	29.5	29.8	30.2	30.4	30.4	30.5	30.8	30.8	31.1	
≥ 18000	22.2	23.4	24.8	27.3	27.9	29.2	29.9	30.3	30.7	30.9	31.0	31.0	31.3	31.3	31.6	
≥ 16000	22.2	23.4	24.8	27.3	27.9	29.2	29.9	30.3	30.7	30.9	31.0	31.0	31.3	31.3	31.6	
≥ 14000	22.2	23.4	24.9	27.3	27.9	29.2	30.0	30.3	30.7	30.9	31.0	31.1	31.3	31.4	31.6	
≥ 12000	22.5	23.7	25.2	27.6	28.2	29.6	30.3	30.7	31.1	31.3	31.4	31.4	31.7	31.7	32.0	
≥ 10000	23.8	25.1	26.5	29.0	29.7	31.0	31.8	32.2	32.6	32.8	32.9	32.9	33.2	33.3	33.6	
≥ 9000	24.3	25.5	27.1	29.6	30.3	31.7	32.5	32.9	33.3	33.5	33.6	33.7	33.9	34.0	34.3	
≥ 8000	26.0	27.3	29.0	32.0	32.7	34.3	35.2	35.6	36.1	36.3	36.4	36.4	36.7	36.8	37.0	
≥ 7000	26.6	28.0	29.8	32.9	33.7	35.3	36.2	36.7	37.1	37.3	37.4	37.5	37.7	37.8	38.1	
≥ 6000	26.7	28.1	30.0	33.1	33.9	35.5	36.5	36.9	37.4	37.6	37.7	37.7	38.0	38.1	38.4	
≥ 5000	27.8	29.3	31.2	34.5	35.3	37.0	37.9	38.4	38.8	39.0	39.1	39.2	39.4	39.5	39.8	
≥ 4500	29.3	30.9	32.8	36.3	37.1	38.8	39.8	40.2	40.7	40.9	41.0	41.1	41.3	41.4	41.7	
≥ 4000	30.7	32.4	34.4	38.0	38.9	40.9	42.0	42.5	43.0	43.2	43.3	43.4	43.7	43.8	44.1	
≥ 3500	33.0	34.8	36.9	40.9	41.8	43.9	45.1	45.6	46.2	46.4	46.5	46.6	46.9	47.0	47.3	
≥ 3000	35.5	37.4	39.6	43.8	44.7	47.0	48.1	48.7	49.3	49.5	49.6	49.7	50.0	50.1	50.4	
≥ 2500	38.0	40.1	42.4	46.9	47.9	50.2	51.4	52.1	52.7	52.9	53.0	53.1	53.4	53.5	53.9	
≥ 2000	42.6	45.0	47.9	53.1	54.1	56.6	57.8	58.6	59.2	59.5	59.6	59.7	60.0	60.1	60.4	
≥ 1800	44.1	46.5	49.6	54.8	55.9	58.4	59.7	60.5	61.1	61.4	61.5	61.6	61.9	62.0	62.4	
≥ 1500	48.0	50.8	54.6	60.6	61.8	64.6	66.0	66.9	67.6	67.9	68.0	68.1	68.4	68.5	68.9	
≥ 1200	50.5	53.6	57.8	64.9	66.3	69.4	70.9	72.0	72.7	73.0	73.1	73.2	73.5	73.6	74.0	
≥ 1000	52.0	55.2	59.9	68.0	69.5	72.9	74.7	75.9	76.8	77.1	77.2	77.3	77.6	77.7	78.1	
≥ 900	52.5	55.8	60.6	68.9	70.5	74.0	75.8	77.1	78.0	78.4	78.5	78.6	78.9	79.0	79.3	
≥ 800	53.7	57.2	62.1	71.1	72.7	76.5	78.5	79.9	80.9	81.3	81.4	81.5	81.8	81.9	82.3	
≥ 700	54.5	58.0	63.1	72.5	74.2	78.2	80.7	82.1	83.3	83.8	84.0	84.1	84.4	84.5	84.9	
≥ 600	54.9	58.5	63.7	73.4	75.1	79.4	82.0	83.6	84.9	85.3	85.5	85.6	86.0	86.1	86.5	
≥ 500	55.2	58.8	64.2	74.2	76.0	80.6	83.6	85.6	87.1	87.7	87.9	88.1	88.5	88.6	89.0	
≥ 400	55.2	58.9	64.2	74.5	76.4	81.3	84.5	86.8	88.7	89.4	89.7	90.0	90.5	90.6	90.9	
≥ 300	55.2	58.9	64.3	74.6	76.5	81.6	85.1	87.9	90.3	91.1	91.7	92.1	92.8	93.1	93.5	
≥ 200	55.2	58.9	64.3	74.7	76.5	81.6	85.2	88.2	90.8	91.9	92.7	93.3	94.6	95.5	96.7	
≥ 100	55.2	58.9	64.3	74.7	76.5	81.6	85.2	88.2	90.9	92.0	92.8	93.5	95.1	96.4	99.5	
≥ 0	55.2	58.9	64.3	74.7	76.6	81.6	85.2	88.2	90.9	92.0	92.8	93.5	95.2	96.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 6766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34949 BITBURG AB GERMANY

69-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	34.6	36.2	38.2	39.4	39.6	40.2	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.4
≥ 20000	35.6	38.3	40.2	41.6	41.8	42.5	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7
≥ 18000	37.0	38.7	40.6	42.0	42.3	42.9	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.1
≥ 16000	37.2	38.9	40.9	42.3	42.5	43.1	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.3
≥ 14000	37.2	38.9	40.9	42.3	42.5	43.1	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.3
≥ 12000	37.3	39.1	41.1	42.5	42.9	43.5	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7
≥ 10000	37.8	39.7	42.3	43.8	44.2	44.8	45.6	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3
≥ 9000	38.2	40.0	42.7	44.2	44.7	45.4	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9
≥ 8000	39.8	41.6	44.3	46.1	46.7	47.4	48.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1
≥ 7000	40.9	42.7	45.5	47.3	47.8	48.6	49.4	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3
≥ 6000	41.0	42.8	45.6	47.4	48.0	48.7	49.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
≥ 5000	43.7	45.7	48.5	50.3	50.9	51.6	52.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3
≥ 4500	45.7	48.1	51.1	53.0	53.5	54.4	55.2	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1
≥ 4000	48.3	50.9	54.0	55.9	56.8	57.6	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7
≥ 3500	50.6	53.2	56.5	58.4	59.2	60.1	61.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 3000	53.5	56.3	60.0	62.2	63.0	64.3	65.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6
≥ 2500	54.8	57.8	61.5	64.0	64.9	66.2	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5
≥ 2000	57.8	61.0	64.7	67.7	68.7	70.1	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥ 1800	59.0	62.3	66.3	69.5	70.4	71.8	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
≥ 1600	62.2	65.8	70.4	74.2	75.3	77.0	78.2	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 1400	64.8	69.2	74.5	78.5	79.6	81.4	82.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
≥ 1200	66.7	71.7	77.1	81.1	82.4	84.3	85.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0
≥ 1000	66.8	71.9	77.5	81.7	83.0	84.9	86.5	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
≥ 900	67.0	72.4	78.3	82.6	84.0	86.1	87.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
≥ 800	67.5	73.2	79.1	84.4	85.9	88.6	90.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8
≥ 700	67.5	73.2	79.2	84.6	86.3	89.4	91.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 600	67.8	73.6	80.1	85.8	87.3	90.9	93.0	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	95.1
≥ 500	68.0	73.9	80.2	85.9	87.4	91.1	93.7	95.3	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.2
≥ 400	68.0	73.9	80.2	85.9	87.4	91.2	93.9	95.8	96.3	96.7	96.8	97.3	97.7	97.7	97.7	98.0
≥ 300	68.0	73.9	80.2	85.9	87.4	91.3	94.3	96.6	97.5	98.0	98.1	98.7	99.2	99.2	99.2	99.5
≥ 200	68.0	73.9	80.2	85.9	87.4	91.3	94.3	96.6	97.5	98.0	98.1	98.7	99.2	99.2	99.2	99.5
≥ 100	68.0	73.9	80.2	85.9	87.4	91.3	94.3	96.6	97.5	98.0	98.1	98.7	99.2	99.2	99.2	99.5
≥ 0	68.0	73.9	80.2	85.9	87.4	91.3	94.3	96.6	97.5	98.0	98.1	98.7	99.2	99.2	99.2	99.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

59-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING		27.1	29.1	31.0	33.0	33.3	34.7	35.2	35.5	35.6	35.7	35.8	36.0	36.0	36.2
≥ 20000		29.0	31.2	33.2	35.2	35.4	36.9	37.5	38.0	38.1	38.2	38.3	38.4	38.4	38.6
IV 18000		29.0	31.2	33.2	35.2	35.4	36.9	37.5	38.0	38.1	38.2	38.3	38.4	38.4	38.6
IV 16000		29.0	31.2	33.2	35.2	35.4	36.9	37.5	38.0	38.1	38.2	38.3	38.4	38.4	38.6
IV 14000		29.2	31.4	33.4	35.4	35.6	37.1	37.7	38.2	38.3	38.4	38.5	38.6	38.6	38.9
IV 12000		29.2	31.4	33.4	35.4	35.6	37.1	37.7	38.2	38.3	38.4	38.5	38.6	38.6	38.9
IV 10000		29.4	31.6	34.0	36.3	36.6	38.1	38.8	39.3	39.4	39.5	39.6	39.7	39.7	39.9
IV 9000		30.0	32.4	34.8	37.0	37.4	38.9	39.5	40.0	40.2	40.3	40.4	40.5	40.5	40.7
IV 8000		31.3	33.7	36.1	38.3	38.8	40.4	41.0	42.0	42.1	42.2	42.3	42.4	42.4	42.6
IV 7000		32.5	34.9	37.2	39.5	39.9	41.6	42.2	43.2	43.3	43.4	43.5	43.6	43.6	43.8
IV 6000		32.5	34.9	37.2	39.5	39.9	41.6	42.2	43.2	43.3	43.4	43.5	43.6	43.6	43.8
IV 5000		34.0	36.5	38.9	41.4	41.9	43.5	44.2	45.2	45.3	45.4	45.5	45.7	45.7	46.0
IV 4500		37.0	39.8	42.8	45.4	45.9	47.5	48.4	49.4	49.5	49.6	49.7	49.9	49.9	50.2
IV 4000		39.3	42.5	45.5	48.1	48.5	50.2	51.1	52.1	52.2	52.3	52.4	52.6	52.6	52.9
IV 3500		41.2	44.7	47.8	50.5	50.9	52.5	53.5	54.5	54.6	54.7	54.8	55.0	55.0	55.2
IV 3000		43.9	47.7	51.2	54.5	54.9	56.7	57.7	58.9	59.0	59.1	59.2	59.4	59.4	59.6
IV 2500		46.0	50.1	53.9	57.4	57.8	59.6	60.8	62.0	62.1	62.2	62.3	62.5	62.5	62.8
IV 2000		48.7	53.0	57.4	61.2	61.8	63.9	65.2	66.5	66.6	66.7	66.8	67.1	67.1	67.3
IV 1800		49.9	54.3	58.8	62.6	63.2	65.3	66.7	68.0	68.1	68.2	68.4	68.6	68.6	68.8
IV 1500		53.0	57.6	62.5	66.5	67.1	69.5	71.2	72.4	72.6	72.7	72.8	73.0	73.0	73.2
IV 1200		56.1	61.0	66.5	71.0	71.9	74.8	76.6	77.9	78.0	78.1	78.3	78.5	78.5	78.7
IV 1000		59.4	64.9	70.6	75.1	76.0	79.4	81.6	82.9	83.0	83.1	83.2	83.4	83.4	83.6
IV 900		60.2	65.8	71.5	76.2	77.1	81.2	83.3	84.6	84.7	84.9	85.0	85.3	85.3	85.5
IV 800		61.1	66.8	72.7	77.5	78.4	83.1	85.3	86.5	86.8	87.0	87.1	87.3	87.3	87.5
IV 700		61.4	67.1	73.2	78.3	79.1	84.0	86.2	87.6	88.1	88.5	88.6	88.8	88.8	89.0
IV 600		61.5	67.2	73.4	78.6	79.4	84.6	86.9	88.3	88.8	89.2	89.3	89.6	89.6	89.8
IV 500		61.7	67.5	73.7	79.1	80.0	85.3	87.8	89.6	90.1	90.6	90.7	91.0	91.0	91.2
IV 400		61.7	67.5	73.7	79.5	80.5	86.2	89.0	91.0	91.9	92.7	92.8	93.0	93.1	93.3
IV 300		61.7	67.5	73.7	79.7	80.6	86.4	89.3	91.7	93.5	94.5	94.7	94.9	95.3	95.7
IV 200		61.7	67.5	73.7	79.7	80.6	86.5	89.8	92.2	94.5	95.8	96.1	96.6	97.0	98.0
IV 100		61.7	67.5	73.7	79.7	80.6	86.5	89.8	92.4	94.6	95.9	96.2	96.8	97.2	98.4
IV 0		61.7	67.5	73.7	79.7	80.6	86.5	89.8	92.4	94.6	95.9	96.2	96.8	97.2	98.7

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BIRBURG AB GERMANY

69-75

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 5	≥ 10	≥ 15	≥ 20	≥ 25	≥ 30	≥ 35	≥ 40	≥ 45	≥ 50	≥ 55	≥ 60	≥ 65	≥ 70	≥ 80
NO CEILING ≥ 20000	19.0	21.3	23.1	27.2	27.9	29.4	30.5	30.7	31.0	31.0	31.3	31.4	31.5	31.8	32.2	
≥ 15000	20.8	23.4	25.2	27.6	30.4	32.0	33.5	33.9	34.3	34.3	34.5	34.6	34.7	35.1	35.7	
≥ 10000	20.9	23.5	25.3	29.8	30.7	32.3	33.8	34.3	34.6	34.6	34.8	34.9	35.0	35.5	36.0	
≥ 5000	21.0	23.6	25.4	30.0	30.8	32.4	33.9	34.4	34.7	34.7	34.9	35.0	35.1	35.6	36.1	
≥ 4000	21.0	23.6	25.4	30.0	30.8	32.4	33.9	34.4	34.7	34.7	34.9	35.0	35.1	35.6	36.1	
≥ 3000	22.1	24.8	26.6	31.5	32.3	33.9	35.5	35.9	36.2	36.2	36.4	36.5	36.6	37.1	37.6	
≥ 2000	22.2	24.9	26.8	31.7	32.5	34.2	35.7	36.1	36.4	36.4	36.6	36.7	36.9	37.3	37.8	
≥ 1500	23.8	26.5	28.4	33.6	34.5	36.1	37.6	38.5	38.8	38.8	39.0	39.3	39.5	40.0	40.5	
≥ 1000	24.2	26.9	28.9	34.2	35.0	36.7	38.4	39.2	39.5	39.7	39.9	40.2	40.4	40.8	41.4	
≥ 500	24.2	26.9	28.9	34.2	35.0	36.7	38.4	39.2	39.5	39.7	39.9	40.2	40.4	40.8	41.4	
≥ 400	25.5	28.8	30.7	36.3	37.2	39.0	40.6	41.5	41.8	41.9	42.1	42.5	42.7	43.2	43.9	
≥ 300	28.0	31.7	33.9	39.9	40.7	42.7	44.4	45.3	45.6	45.7	45.9	46.2	46.4	47.0	47.6	
≥ 200	29.5	33.4	35.7	41.8	42.7	44.6	46.3	47.2	47.6	47.7	48.1	48.4	48.6	49.2	49.9	
≥ 150	30.0	33.9	36.2	42.3	43.2	45.4	47.2	48.1	48.5	48.6	48.9	49.2	49.5	50.3	51.0	
≥ 100	32.5	36.7	39.3	46.4	47.3	49.7	51.6	52.5	52.9	53.0	53.3	53.7	53.9	54.7	55.5	
≥ 50	34.2	38.6	41.7	49.5	50.3	52.8	55.0	55.8	56.3	56.4	56.7	57.0	57.2	58.1	58.8	
≥ 40	37.9	42.5	45.9	53.9	54.8	57.5	59.9	60.9	61.3	61.4	61.7	62.1	62.3	63.1	63.9	
≥ 30	38.7	43.3	46.9	55.6	56.6	59.4	61.7	62.7	63.1	63.3	63.6	63.9	64.1	65.0	65.7	
≥ 20	40.9	46.0	50.1	59.3	60.3	63.7	66.5	67.5	68.2	68.3	68.6	69.0	69.2	70.0	70.8	
≥ 10	43.5	48.9	53.3	63.7	64.8	68.8	71.9	73.1	73.9	74.0	74.4	74.7	74.9	75.8	76.5	
≥ 5	46.4	52.2	56.8	67.7	68.8	73.4	76.5	77.9	78.8	78.9	79.2	79.5	79.7	80.6	81.4	
≥ 4	46.9	52.7	57.5	68.6	69.7	74.6	77.7	79.1	80.3	80.4	80.7	81.0	81.3	82.1	82.9	
≥ 3	47.7	53.6	58.6	69.9	71.1	76.5	80.0	81.4	82.5	82.7	83.0	83.3	83.5	84.4	85.1	
≥ 2	47.8	54.0	59.6	71.3	72.6	78.2	82.2	83.6	84.9	85.0	85.3	85.7	85.9	86.7	87.5	
≥ 1	48.1	54.3	60.3	72.4	73.8	80.1	84.1	85.5	86.7	86.9	87.2	87.5	87.7	88.6	89.3	
≥ 0	48.1	54.3	60.5	72.7	74.4	80.8	85.0	86.7	88.0	88.1	88.5	88.8	89.0	90.0	90.9	
≥ 0	48.1	54.3	60.5	73.1	74.7	81.3	85.6	87.7	89.2	89.4	89.8	90.1	90.3	91.3	92.2	
≥ 0	48.1	54.3	60.5	73.3	74.9	81.5	86.0	88.5	90.2	90.6	91.1	91.6	92.0	93.1	94.2	
≥ 0	48.1	54.3	60.5	73.3	74.9	81.5	86.0	88.8	91.1	91.5	92.0	92.4	92.8	93.9	95.0	
≥ 0	48.1	54.3	60.5	73.3	74.9	81.5	86.0	88.8	91.2	91.7	92.2	92.6	93.0	94.1	95.2	
≥ 0	48.1	54.3	60.5	73.3	74.9	81.5	86.0	88.8	91.2	91.7	92.2	92.6	93.0	94.1	95.2	

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

69-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000	15.9	17.6	20.5	26.1	26.8	28.4	28.8	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.6	29.8
IV 18000	18.8	20.6	24.1	30.5	31.2	33.1	34.1	34.6	34.7	34.7	34.7	34.7	34.7	34.8	35.4	35.6
IV 16000	18.9	20.8	24.2	30.6	31.3	33.2	34.3	34.8	34.9	34.9	34.9	34.9	34.9	35.1	35.6	35.6
IV 14000	18.9	20.8	24.2	30.6	31.3	33.2	34.3	34.8	34.9	34.9	34.9	34.9	34.9	35.1	35.6	35.6
IV 12000	19.1	21.0	24.5	31.1	31.7	33.7	34.7	35.3	35.4	35.4	35.4	35.4	35.4	35.5	36.0	36.0
IV 10000	19.9	21.9	25.8	32.6	33.2	35.4	36.5	37.0	37.1	37.1	37.1	37.1	37.1	37.2	37.7	37.7
IV 9000	20.3	22.4	26.5	33.2	33.9	36.0	37.1	37.7	37.8	37.8	37.8	37.8	37.8	38.0	38.5	38.5
IV 8000	21.3	23.3	27.5	34.7	35.4	37.5	38.6	39.2	39.4	39.5	39.5	39.5	39.5	39.9	40.4	40.6
IV 7000	21.4	23.7	28.2	35.5	36.1	38.3	39.4	40.0	40.1	40.2	40.2	40.2	40.2	40.6	41.2	41.4
IV 6000	21.4	23.7	28.3	35.6	36.2	38.4	39.5	40.1	40.2	40.3	40.3	40.3	40.3	40.8	41.3	41.5
IV 5000	21.8	24.1	29.1	36.7	37.4	39.9	41.1	41.8	41.9	42.0	42.0	42.0	42.0	42.5	43.0	43.2
IV 4500	22.9	25.8	31.1	38.9	39.7	42.2	43.3	44.1	44.2	44.3	44.3	44.3	44.3	44.7	45.3	45.5
IV 4000	24.0	27.1	32.4	40.2	41.0	43.4	44.8	45.6	45.7	45.8	45.8	45.8	45.8	46.2	46.8	47.0
IV 3500	25.8	29.1	34.5	43.1	43.9	46.3	48.0	48.7	48.8	48.9	48.9	48.9	48.9	49.4	49.9	50.1
IV 3000	27.4	31.0	36.8	45.6	46.3	49.2	51.2	51.9	52.2	52.3	52.3	52.3	52.3	52.7	53.2	53.4
IV 2500	30.9	34.4	40.5	49.8	50.5	53.9	56.0	56.8	57.0	57.1	57.1	57.2	57.2	57.6	58.2	58.4
IV 2000	34.1	38.0	44.2	54.1	54.8	58.6	60.8	61.5	61.9	62.0	62.0	62.2	62.2	62.6	63.1	63.3
IV 1800	34.5	38.4	44.7	54.9	55.7	59.5	61.7	62.5	62.9	63.0	63.0	63.1	63.1	63.5	64.1	64.3
IV 1500	38.8	43.0	50.0	61.1	61.8	65.9	68.5	69.2	70.0	70.1	70.1	70.2	70.2	70.6	71.2	71.4
IV 1200	40.9	45.5	53.1	65.7	66.6	70.9	73.7	74.5	75.6	75.7	75.7	75.8	75.8	76.2	76.8	77.0
IV 1000	42.6	47.6	55.7	69.0	70.0	75.1	78.0	78.9	80.2	80.3	80.3	80.4	80.4	80.9	81.4	81.6
IV 900	42.8	48.1	56.1	69.0	70.8	76.2	79.1	80.1	81.6	81.7	81.7	81.8	81.8	82.3	82.8	83.0
IV 800	43.2	48.7	57.2	71.3	72.3	78.2	81.2	82.6	84.1	84.2	84.2	84.3	84.3	84.7	85.3	85.5
IV 700	43.9	49.5	58.4	73.0	74.0	80.4	83.7	85.4	87.3	87.4	87.4	87.5	87.5	88.0	88.5	88.7
IV 600	44.0	49.7	58.7	73.8	74.8	81.5	84.9	86.7	88.6	88.7	88.7	88.8	88.8	89.2	89.8	90.0
IV 500	44.4	50.1	59.2	74.5	75.6	83.0	86.8	88.6	91.0	91.3	91.4	91.5	91.5	92.0	92.6	92.8
IV 400	44.4	50.1	59.2	74.6	75.8	83.8	87.8	89.9	92.5	93.1	93.2	93.3	93.3	93.9	94.4	94.6
IV 300	44.4	50.1	59.2	74.6	75.8	83.8	88.2	90.6	94.0	94.7	94.8	94.9	94.9	96.0	96.6	96.8
IV 200	44.4	50.1	59.2	74.6	75.8	83.8	88.2	90.6	94.4	95.4	95.5	95.9	95.9	97.4	98.3	98.9
IV 100	44.4	50.1	59.2	74.6	75.8	83.8	88.2	90.6	94.4	95.4	95.5	95.9	95.9	97.4	98.7	100.0
IV 0	44.4	50.1	59.2	74.6	75.8	83.8	88.2	90.6	94.4	95.4	95.5	95.9	95.9	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 DITBURG AB GERMANY

69-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
NO CEILING ≥ 20000	23.7	25.4	26.9	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 15000	29.4	31.4	33.8	36.0	37.1	37.4	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 10000	29.5	31.5	33.9	36.9	37.2	37.5	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 5000	29.6	31.6	34.0	37.0	37.4	37.6	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 4000	29.8	31.9	34.2	37.2	37.6	37.8	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 3000	29.9	31.9	34.3	37.5	37.8	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 2000	31.1	33.3	35.8	39.1	39.4	39.6	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 1000	31.6	33.8	36.4	39.6	39.9	40.2	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 800	32.7	35.1	38.1	41.6	41.9	42.2	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 700	33.4	35.7	38.8	42.3	42.6	42.9	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 600	33.6	36.0	39.1	42.6	42.9	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 500	33.8	36.2	39.3	42.7	43.7	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 450	34.7	37.0	40.3	44.1	44.7	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 400	35.7	38.2	41.6	45.5	46.1	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 350	39.0	41.4	45.0	49.1	49.7	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 300	44.2	46.8	50.8	55.1	55.8	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 250	50.8	53.7	58.1	62.6	63.5	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 200	55.9	59.6	64.9	69.9	70.8	71.7	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 180	57.6	61.5	67.0	72.3	73.3	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 150	61.6	65.7	72.0	78.0	79.0	80.3	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 120	64.3	68.9	75.8	83.2	84.2	85.6	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 100	65.0	69.9	77.1	85.5	86.4	88.4	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 90	65.4	70.5	78.0	86.9	87.0	90.0	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 80	65.9	70.9	79.1	88.2	89.1	91.7	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 70	66.2	71.3	79.5	89.3	90.3	93.1	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 60	66.3	71.4	79.7	89.7	90.9	93.8	95.0	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 50	66.3	71.4	79.7	90.0	91.2	94.5	95.9	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 40	66.3	71.4	79.8	90.2	91.4	94.9	96.4	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 30	66.3	71.4	80.0	90.5	91.7	95.3	96.9	97.5	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 20	66.3	71.4	80.0	90.5	91.7	95.3	96.9	97.5	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 10	66.3	71.4	80.0	90.6	91.8	95.4	97.0	97.6	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	66.3	71.4	80.0	90.6	91.8	95.4	97.0	97.6	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

49-73

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING ≥ 25000	27.7	28.3	29.0	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 25000	35.8	37.5	38.5	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 8000	36.9	37.6	38.8	39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 6000	37.0	37.7	38.9	39.8	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 4000	37.6	38.4	39.6	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 2000	38.7	40.0	41.3	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 1000	40.9	42.2	43.4	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 900	41.2	42.5	43.8	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 800	43.4	45.1	46.5	47.4	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 700	44.1	45.8	47.3	48.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 600	44.1	45.8	47.3	48.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 500	45.6	47.4	49.0	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 450	47.6	49.5	51.1	52.3	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 400	49.7	51.5	53.4	54.8	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 350	53.9	55.8	57.7	59.6	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 300	57.1	59.2	61.4	63.3	63.7	63.9	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 250	63.9	67.0	69.5	71.7	72.2	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 200	69.6	73.1	76.1	78.5	78.9	79.2	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 150	70.9	74.5	77.5	80.2	80.8	81.1	81.1	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 100	74.1	78.3	81.5	84.9	85.6	86.2	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 90	75.6	80.6	84.3	89.2	90.2	91.0	91.3	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 80	76.0	81.5	85.4	90.9	91.8	92.7	93.0	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 70	76.1	81.6	85.6	91.1	92.2	93.1	93.4	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 60	76.5	81.9	85.9	91.9	93.1	94.7	95.2	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 50	76.9	82.4	86.5	93.0	94.2	95.8	96.2	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 40	76.9	82.4	86.5	93.3	94.5	96.2	96.7	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 30	76.9	82.4	86.5	93.3	94.5	96.2	96.8	97.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 20	76.9	82.4	86.6	93.4	94.6	96.3	97.1	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 10	76.9	82.4	86.6	93.4	94.6	96.3	97.1	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	76.9	82.4	86.6	93.4	94.6	96.3	97.1	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	76.9	82.4	86.6	93.4	94.6	96.3	97.1	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

03-76

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 3/4	2 5/8	2 7/8	3	3 1/8	3 1/4	3 1/2	3 3/4	3 5/8	3 3/2	3 7/8	4	4 1/8	4 1/4	4 1/2
2000	31.4	32.3	33.2	34.2	34.3	34.9	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
1800	39.6	40.5	41.6	42.8	42.9	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
1600	39.8	41.0	42.0	42.3	43.4	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
1400	40.0	41.2	42.3	43.5	43.7	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
1200	41.4	42.7	43.9	45.4	45.6	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
1000	43.4	44.8	46.5	48.1	48.3	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
800	44.4	45.8	47.4	49.1	49.4	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
600	47.3	48.8	50.5	52.3	52.5	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
400	48.3	49.9	51.7	53.7	53.9	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
200	48.3	50.0	51.9	53.9	54.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
100	49.9	51.7	53.7	55.6	55.8	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
50	53.2	55.1	57.1	59.1	59.4	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
0	56.5	58.3	60.3	62.5	62.7	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
1500	59.1	61.1	63.3	65.5	65.7	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
1300	62.9	64.9	67.3	69.6	69.8	71.2	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
1100	65.7	68.1	70.6	73.4	74.1	75.7	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
900	69.4	71.9	74.5	78.0	78.7	80.6	81.2	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
700	70.0	72.6	75.5	79.1	79.9	81.8	82.4	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
500	72.7	75.5	78.8	82.9	83.8	86.0	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
300	74.4	77.8	82.5	86.7	87.6	90.1	90.9	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
100	74.5	78.3	83.0	87.4	88.4	91.1	92.2	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
50	74.6	78.5	83.2	87.8	88.9	91.6	92.8	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
0	74.7	78.6	83.4	88.4	89.6	92.7	94.1	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
1500	74.7	78.6	83.5	88.6	89.8	93.0	94.4	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1300	74.8	78.7	83.7	88.9	90.2	93.7	95.1	96.1	97.0	97.1	97.1	97.1	97.2	97.3	97.3	97.3
1100	74.8	78.8	83.9	89.4	90.6	94.1	95.6	96.8	97.7	97.8	97.8	97.8	98.0	98.1	98.1	98.1
900	74.8	78.8	83.9	89.4	90.6	94.1	95.8	97.0	98.2	98.3	98.4	98.4	98.5	98.6	98.6	98.6
700	74.8	78.8	83.9	89.4	90.6	94.1	95.8	97.1	98.3	98.6	98.8	98.8	98.9	99.1	99.1	99.1
500	74.8	78.8	83.9	89.4	90.6	94.1	95.8	97.1	98.7	99.0	99.2	99.4	99.7	99.7	99.7	99.7
300	74.8	78.8	83.9	89.4	90.6	94.1	95.9	97.2	98.8	99.1	99.5	99.6	99.9	99.9	99.9	99.9
100	74.8	78.8	83.9	89.5	90.8	94.2	96.0	97.3	98.9	99.2	99.6	99.7	100.0	100.0	100.0	100.0
0	74.8	78.8	83.9	89.5	90.8	94.2	96.0	97.3	98.9	99.2	99.6	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY

69-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
NO CEILING ≥ 20000	36.9	37.7	38.4	39.7	39.7	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.9									
≥ 5000	41.3	42.3	42.9	44.4	44.6	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.8	45.9									
≥ 4000	41.6	42.6	43.2	44.7	44.9	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.2									
≥ 3000	41.9	42.9	43.5	45.1	45.3	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.6									
≥ 2000	42.0	43.0	43.7	45.2	45.4	46.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6	46.7									
≥ 1000	43.0	44.2	44.8	46.7	46.9	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.2									
≥ 800	44.6	45.9	46.8	48.9	49.1	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.5									
≥ 600	45.6	46.9	47.7	50.0	50.2	51.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.6									
≥ 450	46.9	48.3	49.1	51.4	51.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.3									
≥ 300	48.3	49.7	50.6	52.9	53.1	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.9									
≥ 150	49.1	50.5	51.6	53.9	54.1	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.9									
≥ 100	51.1	52.5	53.5	55.8	56.0	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.8									
≥ 75	55.3	56.8	57.8	60.1	60.3	61.3	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.2									
≥ 50	58.4	59.9	61.0	63.2	63.5	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.7									
≥ 25	61.0	62.6	64.0	66.2	66.6	67.7	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.7									
≥ 15	63.3	65.1	66.9	69.5	69.8	71.0	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.9									
≥ 10	65.8	67.6	69.6	72.2	72.5	73.8	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.7									
≥ 7.5	67.8	69.7	71.9	75.5	75.8	77.2	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.3									
≥ 5	69.1	71.0	73.5	77.1	77.4	78.8	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.9									
≥ 2.5	72.4	74.5	77.7	81.8	82.2	83.9	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.9									
≥ 1.5	74.4	77.0	81.2	85.5	85.8	87.6	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.9									
≥ 1	75.4	78.0	82.3	87.1	87.4	89.4	90.2	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.1									
≥ .75	75.9	78.5	82.8	87.7	88.1	90.2	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9									
≥ .5	76.2	78.8	83.2	88.6	88.9	91.2	92.2	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.3									
≥ .25	76.6	79.4	84.1	89.9	90.3	92.8	93.8	94.5	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.4									
≥ .15	77.2	80.0	84.8	90.8	91.3	94.0	95.2	96.0	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.9									
≥ .1	77.2	80.0	84.8	90.8	91.3	94.0	95.4	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.1									
≥ .075	77.2	80.0	84.8	91.1	91.7	94.5	96.0	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.9									
≥ .05	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									
≥ .025	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									
≥ .01	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									
≥ .005	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									
≥ .0025	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									
≥ .001	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									
≥ .0005	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									
≥ .00025	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									
≥ .0001	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9									

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

09-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

FEET		STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO. 1000	2000	27.0	28.5	30.0	32.2	32.4	33.2	33.7	33.8	33.9	33.9	34.0	34.0	34.0	34.1	34.2	
	2500	31.5	33.2	34.9	37.5	37.9	38.8	39.4	39.6	39.7	39.7	39.7	39.8	39.8	40.0	40.0	
2000	2000	31.7	33.3	35.1	37.6	38.1	39.0	39.6	39.9	39.9	39.9	40.0	40.0	40.0	40.2	40.3	
	2500	31.8	33.5	35.3	37.9	38.2	39.2	39.8	40.0	40.1	40.1	40.1	40.2	40.2	40.3	40.4	
2500	2000	32.0	33.6	35.4	38.1	38.4	39.3	39.9	40.2	40.3	40.3	40.3	40.3	40.4	40.5	40.6	
	2500	32.5	34.2	36.1	38.6	39.2	40.1	40.7	41.0	41.1	41.1	41.1	41.1	41.2	41.3	41.4	
3000	2000	33.7	35.5	37.7	40.6	40.9	41.9	42.5	42.8	42.9	42.9	43.0	43.0	43.0	43.2	43.3	
	2500	34.2	36.1	38.3	41.2	41.6	42.6	43.2	43.5	43.6	43.6	43.6	43.6	43.7	43.7	43.8	
3500	2000	35.8	37.8	40.1	43.2	43.6	44.7	45.3	45.8	45.8	45.9	45.9	46.0	46.0	46.2	46.3	
	2500	36.6	38.7	41.0	44.2	44.7	45.8	46.4	46.9	46.9	47.0	47.0	47.1	47.1	47.3	47.4	
4000	2000	36.8	38.8	41.2	44.4	44.9	46.0	46.6	47.1	47.1	47.2	47.2	47.3	47.4	47.5	47.6	
	2500	39.2	40.4	42.8	46.2	46.7	47.8	48.5	49.0	49.1	49.1	49.1	49.2	49.3	49.5	49.6	
4500	2000	40.6	43.0	45.7	49.1	49.6	50.8	51.5	52.0	52.0	52.1	52.1	52.2	52.3	52.4	52.6	
	2500	42.7	45.2	48.0	51.5	52.0	53.3	54.1	54.6	54.7	54.7	54.7	54.8	54.9	55.1	55.2	
5000	2000	45.1	47.7	50.6	54.3	54.9	56.2	57.0	57.5	57.6	57.6	57.7	57.8	57.8	58.1	58.2	
	2500	48.1	51.0	54.2	58.3	58.8	60.3	61.2	61.7	61.8	61.9	61.9	62.0	62.1	62.3	62.5	
5500	2000	51.5	54.7	58.2	62.6	63.2	64.8	65.9	66.4	66.5	66.5	66.6	66.7	66.7	67.0	67.1	
	2500	55.2	58.6	62.5	67.3	68.1	69.9	70.9	71.5	71.7	71.7	71.8	71.9	72.0	72.2	72.3	
6000	2000	56.2	59.7	63.8	68.9	69.7	71.5	72.6	73.2	73.4	73.4	73.5	73.6	73.7	73.9	74.0	
	2500	59.5	63.3	67.9	73.6	74.4	76.6	77.9	78.5	78.8	78.8	78.9	79.0	79.0	79.2	79.4	
6500	2000	61.8	66.1	71.4	77.9	78.8	81.3	82.8	83.5	83.8	83.8	83.9	84.0	84.1	84.3	84.4	
	2500	63.3	68.0	73.5	80.5	81.4	84.2	85.0	86.6	87.1	87.1	87.2	87.3	87.3	87.6	87.7	
7000	2000	63.6	68.5	74.0	81.2	82.2	85.2	86.9	87.7	88.2	88.2	88.3	88.4	88.5	88.7	88.8	
	2500	64.1	69.0	74.8	82.3	83.3	86.8	88.5	89.4	90.0	90.1	90.2	90.3	90.3	90.5	90.7	
7500	2000	64.4	69.4	75.5	83.5	84.5	88.2	90.1	91.2	91.9	92.0	92.1	92.2	92.2	92.5	92.6	
	2500	64.5	69.5	75.7	83.9	85.0	89.0	91.0	92.1	92.9	93.0	93.1	93.2	93.2	93.5	93.6	
8000	2000	64.7	69.8	76.0	84.5	85.6	89.8	92.0	93.3	94.2	94.4	94.5	94.6	94.7	94.9	95.1	
	2500	64.7	69.8	76.1	84.6	85.8	90.2	92.6	94.0	95.1	95.4	95.5	95.6	95.8	96.0	96.2	
8500	2000	64.7	69.8	76.1	84.7	85.9	90.4	92.9	94.6	95.9	96.3	96.5	96.7	97.1	97.4	97.6	
	2500	64.7	69.8	76.1	84.7	85.9	90.5	93.1	94.9	96.6	97.1	97.3	97.8	98.3	98.8	99.3	
9000	2000	64.7	69.8	76.1	84.7	85.9	90.5	93.2	94.9	96.6	97.2	97.5	97.9	98.5	99.1	99.9	
	2500	64.7	69.8	76.1	84.8	86.0	90.5	93.2	94.9	96.7	97.2	97.5	97.9	98.6	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 7436

CEILING VERSUS VISIBILITY

20-73

APR

000-000

TOTAL NUMBER OF OBSERVATIONS 813

2

1

69-72

APR

0300-0500

3.

830

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34045 BITBURG AB GERMANY

0-78

A/R

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥ 10000	24.3	28.2	29.1	33.6	34.1	37.0	38.4	38.8	39.0	39.1	39.1	39.1	39.2	39.3	39.6	39.6
≥ 8000	30.8	33.0	33.9	39.1	39.8	42.7	44.2	44.8	45.0	45.1	45.1	45.1	45.2	45.3	45.6	45.7
≥ 6000	30.9	33.1	34.1	39.3	40.0	42.9	44.4	45.0	45.2	45.3	45.3	45.3	45.4	45.6	45.8	45.9
≥ 4000	31.0	33.2	34.2	39.4	40.1	43.1	44.7	45.2	45.4	45.5	45.5	45.5	45.7	45.8	46.0	46.1
≥ 2000	31.2	33.4	34.4	39.7	40.3	43.3	44.9	45.4	45.7	45.8	45.8	45.9	46.0	46.2	46.3	46.3
≥ 1000	33.0	35.2	36.3	41.6	42.2	45.3	46.9	47.4	47.7	47.8	47.8	47.9	48.0	48.2	48.3	48.3
≥ 500	33.8	36.0	37.1	42.3	43.0	46.2	47.8	48.3	48.6	48.7	48.7	48.8	48.9	49.1	49.2	49.2
≥ 300	35.8	38.2	39.6	45.1	45.8	49.1	50.7	51.2	51.4	51.6	51.6	51.6	51.7	51.8	52.0	52.1
≥ 200	36.7	39.6	40.9	46.7	47.3	51.0	52.6	53.1	53.2	53.4	53.4	53.4	53.6	53.7	53.9	54.0
≥ 100	37.0	39.9	41.2	47.1	47.8	51.4	53.0	53.6	53.8	53.9	53.9	54.0	54.1	54.3	54.4	54.4
≥ 50	38.0	41.2	42.8	48.9	49.8	53.4	55.0	55.6	55.7	55.9	55.9	56.0	56.1	56.3	56.4	56.4
≥ 4500	40.3	43.7	45.2	51.6	52.6	56.3	57.9	58.4	58.7	58.8	58.8	58.9	59.0	59.2	59.3	59.3
≥ 4000	42.8	46.6	48.2	55.1	56.1	60.0	61.6	62.1	62.4	62.7	62.7	62.8	62.9	63.2	63.4	63.4
≥ 3500	43.9	47.7	49.4	56.6	57.6	61.4	63.1	63.7	64.0	64.2	64.2	64.3	64.4	64.8	65.1	65.1
≥ 3000	45.4	49.6	51.2	58.7	59.8	63.8	65.4	66.0	66.3	66.6	66.6	66.7	66.8	67.1	67.4	67.4
≥ 2500	47.9	52.2	54.0	61.0	62.8	66.9	68.7	69.2	69.6	69.8	69.8	69.9	70.0	70.3	70.7	70.7
≥ 2000	51.0	55.8	57.8	65.8	67.0	71.4	73.2	73.8	74.1	74.3	74.2	74.4	74.5	74.9	75.2	75.2
≥ 1800	51.7	56.4	58.0	66.8	68.1	72.6	74.3	75.0	75.3	75.6	75.6	75.7	75.8	76.1	76.4	76.4
≥ 1500	56.2	61.2	63.7	72.3	73.9	78.3	80.1	81.0	81.3	81.6	81.6	81.7	81.8	82.1	82.4	82.4
≥ 1200	59.1	64.2	67.0	76.2	78.0	82.6	84.3	85.2	85.6	85.8	85.9	86.0	86.1	86.4	86.8	86.8
≥ 1000	60.6	65.8	68.7	78.4	80.3	84.9	86.8	87.7	88.0	88.2	88.3	88.4	88.6	88.9	89.2	89.2
≥ 900	61.1	66.6	69.4	79.6	81.4	86.0	88.1	89.0	89.3	89.6	89.7	89.8	89.9	90.2	90.6	90.6
≥ 800	61.2	66.8	69.7	80.3	82.2	87.0	89.4	90.4	90.8	91.0	91.1	91.2	91.3	91.7	92.0	92.0
≥ 700	61.3	67.0	70.4	81.2	83.2	88.2	91.3	92.3	92.7	92.9	93.0	93.1	93.2	93.6	93.9	93.9
≥ 600	61.3	67.0	70.8	81.7	83.7	88.7	91.9	92.9	93.2	93.4	93.6	93.7	93.8	94.1	94.4	94.4
≥ 500	61.3	67.0	70.8	81.7	83.7	88.7	92.1	93.4	93.9	94.2	94.3	94.4	94.6	95.0	95.3	95.3
≥ 400	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.6	95.1	95.4	95.8	95.9	96.0	96.4	96.8	96.8
≥ 300	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.7	95.4	95.9	96.2	96.4	96.6	97.0	97.3	97.3
≥ 200	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.8	95.8	96.3	96.7	97.1	97.6	98.2	99.2	99.2
≥ 100	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.8	95.9	96.4	96.8	97.2	97.9	98.7	99.8	99.8
≥ 0	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.8	96.0	96.6	96.9	97.3	98.0	98.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	25	25	24	20	20	20	20	20	20	20	20	20	20	20	20
NO CEILING	26.3	27.5	28.9	31.7	32.3	32.9	35.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 10000	31.7	33.3	35.4	38.5	39.7	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 8000	31.8	33.4	35.6	38.7	39.3	40.4	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 6000	31.8	33.4	35.6	38.7	39.3	40.4	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 4000	31.9	33.5	35.7	38.8	39.4	40.5	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 3000	32.3	33.8	36.3	39.2	39.7	40.8	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 2000	34.5	36.0	38.4	41.7	42.3	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 1000	35.5	37.0	39.4	42.9	43.5	44.6	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 800	37.3	38.9	41.3	44.9	45.5	46.6	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 700	37.9	39.6	42.0	45.8	46.6	47.8	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 600	38.6	40.4	42.8	46.6	47.4	48.6	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 500	39.7	41.5	44.0	47.8	48.6	49.8	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 450	41.4	43.2	45.7	49.5	50.3	51.5	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 400	42.0	43.2	47.7	51.0	52.5	53.8	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 350	44.7	46.9	49.5	53.5	54.4	55.7	56.0	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 300	48.5	50.8	53.4	57.8	58.7	60.1	60.3	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 250	52.4	54.8	57.6	62.1	63.0	64.5	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 200	58.8	61.6	65.0	70.5	71.4	73.1	73.3	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 150	60.7	63.5	67.0	72.6	73.5	75.2	75.4	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 100	67.2	70.3	74.2	80.2	81.1	82.9	83.1	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 90	69.1	72.4	76.5	83.1	84.0	85.9	86.3	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 80	71.2	74.3	78.7	86.1	87.1	89.0	89.5	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 70	71.6	75.0	79.3	86.6	87.9	89.8	90.3	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 60	72.2	75.5	80.0	87.7	88.8	90.7	91.4	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 50	72.6	76.1	80.6	88.9	90.0	91.0	92.8	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 40	72.9	76.3	81.0	89.4	90.5	92.8	93.5	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 30	72.9	76.3	81.2	89.9	91.0	93.4	94.4	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 20	72.9	76.3	81.2	90.0	91.1	93.7	94.7	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 10	72.9	76.3	81.3	90.1	91.2	93.8	94.9	96.2	97.4	97.6	97.7	97.7	97.9	97.9	97.9	97.9
≥ 0	72.9	76.3	81.3	90.1	91.2	93.8	94.9	96.2	97.4	97.8	97.9	98.2	98.7	98.9	99.6	99.6
≥ 0	72.9	76.3	81.3	90.1	91.2	93.8	94.9	96.2	97.4	97.8	97.9	98.2	98.8	99.1	99.9	99.9
≥ 0	72.9	76.3	81.3	90.1	91.2	93.8	94.9	96.2	97.4	97.8	97.9	98.2	98.8	99.1	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 7000	29.3	29.7	30.3	31.1	31.1	31.2	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3
≥ 8000	36.0	36.3	37.0	38.0	38.0	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 6000	36.3	36.7	37.3	38.3	38.3	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 4000	36.3	36.7	37.3	38.3	38.3	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 2000	36.8	37.1	38.1	39.1	39.1	39.2	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 1000	37.9	38.2	39.2	40.2	40.2	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 900	39.1	39.4	40.4	41.4	41.4	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 800	40.9	41.2	42.2	43.2	43.2	43.4	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 700	41.4	41.8	42.8	43.8	43.8	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 600	41.8	42.1	43.1	44.1	44.1	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 500	43.1	43.4	44.4	45.4	45.4	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 450	45.0	45.3	46.3	47.3	47.4	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 400	48.7	49.0	50.0	51.0	51.3	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 350	52.2	52.6	53.7	54.8	55.1	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 300	58.4	58.9	60.6	61.7	62.0	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 250	66.3	66.6	68.7	69.9	70.2	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 200	74.4	75.0	77.3	79.2	79.7	80.4	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 180	76.0	76.6	79.0	81.0	81.4	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 150	79.8	80.7	83.6	85.7	86.2	87.0	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 120	83.0	84.0	87.3	89.6	90.1	91.1	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 100	83.7	85.1	88.4	91.3	92.0	93.0	93.6	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 90	84.1	85.6	88.9	91.9	92.6	93.6	94.1	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 80	84.2	86.0	89.9	93.4	94.1	95.1	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 70	84.6	86.4	90.3	94.4	95.2	96.2	96.9	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 60	84.6	86.6	90.4	95.0	95.8	96.8	97.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 50	84.6	86.6	90.6	95.1	95.9	97.0	97.9	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 40	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 30	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 20	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 10	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

69-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	29.8	29.9	30.1	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 20000	38.4	38.6	38.8	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 18000	39.0	39.1	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 16000	39.0	39.1	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 14000	39.0	39.1	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 12000	39.0	39.1	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 10000	40.5	40.9	41.4	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 9000	41.4	41.6	42.1	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 8000	43.3	43.4	44.0	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 7000	44.7	44.8	45.3	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 6000	45.6	45.8	46.3	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 5000	47.6	48.0	48.6	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 4500	50.9	51.1	51.7	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4000	55.4	55.8	56.4	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3500	62.0	62.3	63.0	64.2	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 3000	69.6	69.9	71.0	72.4	72.4	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2500	76.4	76.8	78.1	79.6	79.6	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 2000	81.4	82.1	83.4	85.1	85.1	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1800	82.3	83.2	84.6	86.3	86.3	86.4	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500	85.4	86.4	87.5	90.1	90.1	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1200	87.2	88.4	90.2	92.8	93.0	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1000	87.8	89.1	91.0	94.0	94.3	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	88.3	89.7	91.6	94.7	95.0	95.2	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 800	88.7	90.3	92.4	96.0	96.3	96.6	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	88.9	90.7	92.8	96.4	96.8	97.2	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	88.9	90.7	92.9	96.9	97.3	97.9	98.1	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

9-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ 0	≥ 16	≥ .	≥ 0
NO CEILING ≥ 20000	39.8	40.4	40.7	41.6	41.7	42.0	42.0	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000	49.9	50.5	51.1	52.1	52.2	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	50.6	51.2	51.7	52.7	52.8	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000	50.6	51.2	51.7	52.7	52.8	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	50.8	51.4	51.9	52.9	53.1	53.4	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	51.3	51.8	52.4	53.4	53.5	53.8	53.8	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 9000	52.8	53.5	54.1	55.1	55.2	55.5	55.5	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	54.7	55.6	56.2	57.2	57.3	57.6	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 7000	57.0	57.8	58.6	59.7	59.8	60.2	60.2	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 6000	58.3	59.3	60.1	61.2	61.3	61.6	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 5000	58.7	59.8	60.6	61.7	61.8	62.2	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	60.5	61.7	62.5	63.7	63.8	64.2	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4000	63.5	64.8	65.6	66.9	67.0	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	67.2	68.7	69.5	70.7	70.9	71.3	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3000	70.2	72.0	72.9	74.3	74.4	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2500	73.7	75.4	76.8	78.3	78.6	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	77.4	79.2	80.6	82.2	82.5	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	80.9	83.0	84.8	86.4	86.8	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1600	81.3	83.5	85.5	87.3	87.7	88.1	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500	84.1	86.4	88.5	90.7	91.0	91.5	91.5	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	84.6	87.2	89.5	91.9	92.2	93.0	93.4	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000	85.4	88.2	90.8	93.1	93.4	94.2	94.7	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	86.0	88.8	91.3	93.7	94.0	94.8	95.2	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	86.4	89.2	91.9	94.3	94.7	95.6	96.0	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	86.4	89.2	91.9	94.4	94.8	96.0	96.4	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	86.4	89.4	92.2	94.8	95.1	96.7	97.1	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	86.4	89.4	92.3	95.0	95.3	97.0	97.7	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	86.4	89.4	92.3	95.0	95.4	97.1	97.8	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	86.4	89.4	92.3	95.0	95.4	97.2	97.9	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	86.4	89.4	92.3	95.0	95.4	97.2	97.9	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	86.4	89.4	92.3	95.0	95.4	97.2	97.9	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	86.4	89.4	92.3	95.0	95.4	97.2	97.9	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34749 RITBURG AB GERMANY

69-70, 72-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	48.3	49.3	49.8	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥2000	54.4	55.4	56.4	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 8000	54.4	55.4	56.4	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 6000	54.4	55.4	56.4	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 4000	54.6	55.6	56.5	57.7	57.7	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 2000	55.3	56.3	57.3	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1000	56.7	57.7	58.6	59.8	59.8	59.8	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 900	58.5	59.5	60.6	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 800	61.4	62.3	63.8	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 700	62.2	63.3	64.8	66.2	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 600	62.6	63.7	65.2	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 500	64.7	65.9	67.4	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 450	69.3	70.5	72.0	73.6	73.6	73.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 400	70.7	72.3	73.8	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 350	73.3	75.1	76.7	78.3	78.3	78.3	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 300	75.2	77.0	78.6	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 250	77.5	79.4	81.0	82.7	82.7	82.7	82.7	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 200	81.2	83.1	85.2	87.2	87.2	87.2	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 150	81.9	83.8	85.9	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 100	84.0	85.9	88.1	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 90	85.4	87.4	89.6	91.9	91.9	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 80	86.2	88.4	90.7	93.2	93.2	93.2	93.2	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 70	86.5	88.8	91.2	94.1	94.1	94.1	94.1	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 60	86.9	89.3	92.0	95.3	95.3	95.3	95.3	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 50	87.4	90.0	92.5	95.9	95.9	95.9	95.9	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 40	87.4	90.0	92.6	96.0	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 30	87.7	90.2	92.8	96.3	96.3	96.3	96.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 20	87.7	90.2	92.8	96.3	96.3	96.3	96.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 10	87.7	90.2	92.8	96.3	96.3	96.3	96.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 0	87.7	90.2	92.8	96.3	96.3	96.3	96.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-73

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS.

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING ≥ 20000	34.9	35.8	36.5	38.3	38.5	39.2	39.5	39.6	39.7	39.7	39.7	39.7	39.7	39.8	39.8	39.8
≥ 18000	41.0	42.1	42.9	44.9	45.2	46.0	46.3	46.4	46.5	46.6	46.6	46.6	46.7	46.7	46.7	46.7
≥ 16000	41.3	42.3	43.2	45.2	45.4	46.3	46.6	46.7	46.8	46.9	46.9	46.9	46.9	47.0	47.0	47.0
≥ 14000	41.3	42.3	43.2	45.2	45.4	46.3	46.6	46.7	46.8	46.9	46.9	46.9	46.9	47.0	47.0	47.0
≥ 12000	41.4	42.4	43.3	45.3	45.6	46.4	46.8	46.9	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1
≥ 10000	41.7	42.8	43.7	45.7	46.0	46.9	47.2	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.6
≥ 8000	43.4	44.4	45.4	47.5	47.7	48.7	49.0	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.4	49.4
≥ 6000	44.4	45.5	46.5	48.6	48.9	49.8	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.5
≥ 4000	46.6	47.8	48.8	51.1	51.3	52.3	52.6	52.8	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0
≥ 2000	47.5	48.7	49.9	52.1	52.4	53.5	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.2	54.2	54.2
≥ 1000	47.9	49.2	50.3	52.6	53.0	54.0	54.4	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7
≥ 500	49.7	51.1	52.3	54.7	55.1	56.1	56.5	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8
≥ 400	52.4	54.0	55.2	57.6	57.9	59.0	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8
≥ 300	55.6	57.4	58.5	61.1	61.5	62.7	63.1	63.2	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.6
≥ 200	58.6	60.5	61.8	64.5	64.9	66.1	66.5	66.6	66.8	66.8	66.8	66.9	66.9	67.0	67.0	67.0
≥ 100	62.1	64.1	65.7	68.5	69.0	70.2	70.6	70.8	71.0	71.0	71.0	71.0	71.1	71.1	71.2	71.2
≥ 50	66.3	68.4	70.1	73.1	73.5	74.8	75.2	75.4	75.6	75.6	75.6	75.6	75.7	75.7	75.8	75.8
≥ 20	71.1	73.5	75.5	78.9	79.4	80.8	81.2	81.4	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.8
≥ 10	72.1	74.5	76.6	80.1	80.6	82.0	82.5	82.7	82.9	83.0	83.0	83.0	83.0	83.1	83.1	83.1
≥ 5	75.8	78.4	80.8	84.5	85.1	86.5	87.1	87.4	87.6	87.7	87.7	87.7	87.8	87.8	87.9	87.9
≥ 2	78.2	80.9	83.5	87.6	88.2	89.8	90.5	90.9	91.1	91.2	91.2	91.2	91.3	91.3	91.4	91.4
≥ 1	79.3	82.1	84.8	89.3	90.0	91.6	92.4	92.8	93.0	93.1	93.1	93.2	93.2	93.3	93.3	93.3
≥ 1/2	79.7	82.6	85.3	89.9	90.7	92.3	93.1	93.6	93.8	93.9	93.9	93.9	94.0	94.0	94.1	94.1
≥ 1/4	80.0	83.0	85.9	90.9	91.6	93.3	94.2	94.7	95.0	95.1	95.1	95.1	95.2	95.2	95.3	95.3
≥ 1/8	80.4	83.5	86.5	91.7	92.5	94.3	95.3	95.9	96.2	96.3	96.3	96.3	96.4	96.4	96.5	96.5
≥ 1/16	80.5	83.7	86.7	92.1	92.9	94.8	95.8	96.5	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 1/32	80.5	83.7	86.8	92.3	93.1	95.1	96.4	97.1	97.5	97.6	97.7	97.7	97.7	97.8	97.9	97.9
≥ 1/64	80.5	83.7	86.8	92.3	93.2	95.3	96.7	97.6	98.0	98.1	98.2	98.2	98.3	98.4	98.4	98.4
≥ 1/128	80.6	83.7	86.9	92.4	93.2	95.4	96.8	97.7	98.4	98.6	98.6	98.7	98.8	98.9	99.0	99.0
≥ 1/256	80.6	83.7	86.9	92.4	93.2	95.4	96.8	97.8	98.6	98.8	98.9	99.1	99.3	99.5	99.7	99.7
≥ 1/512	80.6	83.7	86.9	92.4	93.2	95.4	96.8	97.8	98.6	98.8	98.9	99.1	99.4	99.7	99.9	99.9
≥ 1/1024	80.6	83.7	86.9	92.4	93.2	95.4	96.8	97.8	98.6	98.9	99.0	99.1	99.5	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6959

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-70,72-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0.25	≥ 0.5	≥ 0.75	≥ 1	≥ 1.25	≥ 1.5	≥ 1.75	≥ 2	≥ 2.25	≥ 2.5	≥ 2.75	≥ 3	≥ 3.25	≥ 3.5	≥ 3.75
NO CEILING	46.7	47.7	48.1	49.5	49.9	50.0	50.1	50.1	50.4	50.4	50.5	50.5	50.6	50.6	50.6	50.6
≥ 20000	50.2	51.3	51.7	53.6	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.7	54.7	54.7	54.7
≥ 8000	50.2	51.3	51.7	53.6	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.7	54.7	54.7	54.7
≥ 6000	50.2	51.3	51.7	53.6	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.7	54.7	54.7	54.7
≥ 4000	50.2	51.3	51.7	53.6	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.7	54.7	54.7	54.7
≥ 2000	51.1	52.2	52.5	54.4	54.8	55.0	55.1	55.1	55.4	55.4	55.5	55.5	55.6	55.6	55.6	55.6
≥ 1000	53.3	54.7	55.1	57.1	57.4	57.7	57.8	57.8	58.0	58.0	58.1	58.1	58.3	58.3	58.3	58.3
≥ 800	53.8	55.2	55.7	57.7	58.0	58.3	58.4	58.4	58.6	58.6	58.7	58.7	58.9	58.9	58.9	58.9
≥ 600	57.7	59.1	59.6	61.5	62.0	62.3	62.6	62.7	62.9	62.9	63.0	63.0	63.2	63.2	63.2	63.2
≥ 400	60.2	61.6	62.1	64.0	64.5	64.8	65.1	65.2	65.4	65.4	65.6	65.6	65.7	65.7	65.7	65.7
≥ 300	60.9	62.3	62.8	64.7	65.2	65.6	65.8	65.9	66.1	66.1	66.3	66.3	66.4	66.4	66.4	66.4
≥ 200	63.9	65.7	66.1	68.4	68.9	69.3	69.5	69.6	69.9	69.9	70.0	70.0	70.1	70.1	70.1	70.1
≥ 100	67.9	70.5	71.2	73.7	74.2	74.5	74.8	74.9	75.1	75.1	75.2	75.2	75.4	75.4	75.4	75.4
≥ 0	70.6	73.2	74.0	76.7	77.2	77.5	77.8	77.9	78.1	78.1	78.3	78.3	78.5	78.5	78.5	78.5
≥ 3500	72.8	75.5	76.3	79.2	79.7	80.1	80.4	80.5	80.7	80.7	81.0	81.0	81.1	81.1	81.1	81.1
≥ 3000	74.5	77.2	78.0	80.9	81.3	81.8	82.1	82.2	82.4	82.4	82.7	82.7	82.8	82.8	82.8	82.8
≥ 2500	75.7	78.3	79.2	82.1	82.5	83.0	83.3	83.4	83.6	83.6	83.9	83.9	84.0	84.0	84.0	84.0
≥ 2000	77.8	80.6	81.5	84.8	85.3	85.8	86.0	86.1	86.4	86.4	86.6	86.6	86.7	86.7	86.7	86.7
≥ 1800	78.5	81.3	82.2	85.6	86.1	86.6	86.8	87.0	87.2	87.2	87.4	87.4	87.6	87.6	87.6	87.6
≥ 1600	80.9	84.1	85.2	88.8	89.2	89.8	90.1	90.2	90.4	90.4	90.7	90.7	90.8	90.8	90.8	90.8
≥ 1400	82.9	86.4	87.5	91.4	92.0	92.7	92.9	93.1	93.3	93.3	93.5	93.5	93.7	93.7	93.7	93.7
≥ 1200	83.6	87.2	88.5	92.7	93.3	94.1	94.6	94.7	95.0	95.0	95.2	95.2	95.3	95.3	95.3	95.3
≥ 1000	83.7	87.3	88.6	92.9	93.5	94.4	94.9	95.0	95.2	95.2	95.5	95.5	95.6	95.6	95.6	95.6
≥ 800	83.7	87.3	88.8	93.1	93.7	94.5	95.0	95.1	95.3	95.3	95.6	95.6	95.7	95.7	95.7	95.7
≥ 700	83.7	87.3	89.0	93.5	94.1	95.0	95.5	95.6	95.8	95.8	96.1	96.1	96.2	96.2	96.2	96.2
≥ 600	84.4	88.0	89.8	94.5	95.1	96.1	96.5	96.7	96.9	96.9	97.1	97.1	97.2	97.2	97.2	97.2
≥ 500	84.4	88.2	90.0	95.0	95.6	96.5	97.1	97.2	97.5	97.5	97.7	97.7	97.8	97.8	97.8	97.8
≥ 400	84.4	88.2	90.2	95.2	95.9	97.0	97.6	97.7	98.0	98.0	98.2	98.2	98.3	98.3	98.3	98.3
≥ 300	84.4	88.3	90.4	95.5	96.2	97.4	98.1	98.3	98.6	98.6	98.8	98.8	98.9	98.9	98.9	98.9
≥ 200	84.4	88.3	90.7	95.7	96.4	97.6	98.4	98.7	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3
≥ 100	84.4	88.3	90.7	95.7	96.4	97.6	98.4	98.7	98.9	98.9	99.0	99.0	99.3	99.3	99.3	99.3
≥ 0	84.4	88.3	90.7	95.7	96.4	97.6	98.4	98.7	98.9	98.9	99.0	99.0	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-76

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS,

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
NO CEILING	35.1	36.9	38.1	40.2	40.2	41.5	41.8	41.9	42.1	42.1	42.1	42.3	42.4	42.6	43.1	
≥ 20000	38.1	40.0	41.4	44.0	44.0	45.5	46.0	46.1	46.2	46.2	46.2	46.4	46.5	46.8	47.2	
IV 19000	38.4	40.2	41.6	44.2	44.2	45.7	46.2	46.3	46.4	46.4	46.4	46.7	46.8	47.0	47.5	
IV 18000	38.4	40.2	41.6	44.2	44.2	45.7	46.2	46.3	46.4	46.4	46.4	46.7	46.8	47.0	47.5	
IV 17000	38.4	40.2	41.6	44.4	44.4	45.9	46.3	46.4	46.5	46.5	46.5	46.8	46.9	47.1	47.6	
IV 16000	39.3	41.1	42.5	45.3	45.3	46.9	47.4	47.6	47.7	47.7	47.7	47.9	48.0	48.3	48.7	
IV 15000	41.9	43.8	45.2	48.0	48.0	49.7	50.1	50.3	50.7	50.7	50.7	50.9	51.0	51.3	51.7	
IV 14000	42.9	44.7	46.1	49.0	49.0	50.6	51.0	51.3	51.6	51.6	51.6	51.8	52.0	52.2	52.6	
IV 13000	45.4	47.5	49.1	52.6	52.6	54.6	55.1	55.3	55.6	55.6	55.6	56.2	56.3	56.6	57.0	
IV 12000	46.1	48.5	50.2	53.9	54.0	55.8	56.2	56.5	56.9	56.9	56.9	57.5	57.6	57.8	58.3	
IV 11000	46.3	48.7	50.5	54.3	54.4	56.1	56.6	56.8	57.3	57.3	57.3	57.8	57.9	58.2	58.6	
IV 10000	48.2	50.8	52.5	56.9	57.0	59.0	59.4	59.7	60.1	60.1	60.1	60.7	60.8	61.1	61.5	
IV 9000	51.4	54.1	56.3	60.9	61.1	63.1	63.7	63.9	64.4	64.4	64.4	65.0	65.1	65.3	65.8	
IV 8000	55.0	57.9	60.6	65.3	65.6	67.9	68.4	68.7	69.1	69.1	69.1	69.7	69.8	70.2	70.9	
IV 7000	56.6	59.7	62.3	67.1	67.3	69.7	70.3	70.5	71.0	71.0	71.0	71.5	71.7	72.0	72.7	
IV 6000	59.3	62.7	65.6	70.5	70.9	73.4	74.0	74.2	74.7	74.7	74.7	75.2	75.3	75.7	76.4	
IV 5000	60.6	64.2	67.1	72.0	72.4	74.9	75.6	75.9	76.4	76.4	76.4	77.0	77.1	77.4	78.1	
IV 4000	62.8	66.6	69.5	74.7	75.1	77.9	78.6	78.9	79.4	79.4	79.4	80.0	80.1	80.4	81.1	
IV 3000	64.5	68.3	71.2	76.4	76.8	79.6	80.3	80.6	81.1	81.1	81.1	81.7	81.8	82.1	82.8	
IV 2000	67.3	71.2	74.2	80.1	80.5	83.5	84.2	84.6	85.0	85.0	85.0	85.6	85.7	86.1	86.8	
IV 1000	69.7	72.6	76.0	82.3	82.7	85.9	86.6	87.0	87.4	87.4	87.4	88.0	88.1	88.5	89.2	
IV 800	69.4	73.4	77.5	84.4	85.1	88.6	89.4	89.9	90.3	90.3	90.3	90.9	91.0	91.4	92.1	
IV 700	69.6	73.7	78.0	85.1	85.8	89.4	90.2	90.8	91.2	91.2	91.2	91.8	91.9	92.3	93.0	
IV 600	69.7	73.8	78.2	85.8	86.2	89.9	90.7	91.2	91.7	91.7	91.7	92.3	92.4	92.7	93.4	
IV 500	70.0	74.2	78.6	86.6	86.6	90.4	91.2	91.8	92.3	92.3	92.3	92.9	93.0	93.3	94.0	
IV 400	70.3	74.5	78.9	86.4	87.2	91.2	92.1	92.6	93.1	93.1	93.1	93.7	93.8	94.1	94.8	
IV 300	70.3	74.5	78.9	86.9	87.9	92.3	93.3	94.0	94.6	94.6	94.6	95.2	95.3	95.6	96.3	
IV 200	70.5	74.8	79.1	87.2	88.2	92.6	93.9	94.7	95.3	95.3	95.3	95.9	96.0	96.3	97.0	
IV 100	70.5	74.8	79.3	87.3	88.4	93.0	94.4	95.2	96.0	96.1	96.2	97.0	97.2	98.3	100.0	
IV 0	70.5	74.8	79.3	87.3	88.4	93.0	94.4	95.2	96.0	96.1	96.2	97.0	97.2	98.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

09-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	23.4	26.0	28.5	32.7	32.8	34.3	34.6	34.6	34.7	34.8	34.8	34.8	34.8	34.8	34.8	36.0
≥ 20000	28.2	31.3	34.3	38.7	39.0	40.7	41.1	41.1	41.3	41.5	41.5	41.5	41.5	41.5	41.6	42.5
≥ 9000	28.2	31.4	34.4	38.9	39.1	40.8	41.2	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.7	43.0
≥ 5000	28.2	31.4	34.4	38.9	39.1	40.8	41.2	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.7	43.0
≥ 4000	28.4	31.5	34.5	39.0	39.2	40.9	41.3	41.3	41.6	41.7	41.7	41.7	41.7	41.7	41.8	43.1
≥ 3000	28.8	32.1	35.2	39.9	40.2	41.9	42.3	42.3	42.5	42.6	42.6	42.6	42.6	42.7	43.0	44.3
≥ 2000	31.6	35.2	38.5	43.7	43.9	45.8	46.2	46.4	47.0	47.1	47.1	47.1	47.1	47.2	47.5	48.8
≥ 1000	33.0	36.6	40.2	45.5	45.7	47.5	48.1	48.3	48.8	48.9	48.9	48.9	48.9	49.0	49.4	50.6
≥ 700	36.3	40.5	44.2	49.9	50.1	52.1	52.7	53.0	53.6	53.7	53.7	53.7	53.7	53.9	54.3	55.6
≥ 600	36.9	41.3	45.0	50.8	51.0	52.9	53.7	54.0	54.5	54.7	54.7	54.7	54.7	54.9	55.3	56.6
≥ 5000	37.1	41.6	45.2	51.0	51.2	53.1	53.9	54.2	54.8	54.9	54.9	54.9	54.9	55.1	55.5	56.8
≥ 4500	38.1	42.5	46.3	52.4	52.6	54.5	55.3	55.6	56.2	56.3	56.3	56.3	56.3	56.5	56.9	58.2
≥ 4000	39.7	44.4	48.4	55.0	55.3	57.4	58.2	58.5	59.1	59.2	59.2	59.2	59.2	59.5	60.0	61.3
≥ 3500	41.9	46.5	50.8	57.9	58.2	60.3	61.1	61.5	62.0	62.2	62.2	62.2	62.2	62.6	63.0	64.3
≥ 3000	43.2	47.9	52.2	59.5	59.8	61.9	62.9	63.3	63.9	64.1	64.1	64.1	64.1	64.4	64.8	66.1
≥ 2500	45.6	50.4	54.8	62.6	62.9	65.0	66.1	66.8	67.4	67.6	67.6	67.6	67.6	67.7	68.1	69.8
≥ 2000	46.3	51.2	55.7	63.7	64.1	66.3	67.4	68.1	68.7	68.9	68.9	68.9	68.9	69.0	69.4	71.1
≥ 1800	49.1	54.1	58.9	67.1	67.5	70.0	71.2	72.0	72.7	72.9	72.9	72.9	72.9	73.1	73.4	75.1
≥ 1500	50.0	55.0	59.7	68.0	68.4	70.9	72.1	72.8	73.6	73.8	73.8	73.8	73.8	73.9	74.2	76.0
≥ 1200	52.9	58.0	63.3	71.9	72.3	75.2	76.6	77.4	78.2	78.5	78.5	78.5	78.5	78.6	79.3	80.6
≥ 1000	54.2	59.8	66.2	75.4	76.0	79.4	81.0	81.7	82.7	82.9	82.9	82.9	82.9	83.1	83.3	85.1
≥ 900	55.7	61.6	68.1	77.9	78.7	82.5	84.1	85.2	86.3	86.5	86.5	86.5	86.5	86.6	87.3	88.6
≥ 800	56.1	61.9	68.4	78.4	79.1	82.9	84.6	85.7	86.8	87.0	87.0	87.0	87.0	87.1	87.4	89.2
≥ 700	56.5	62.6	69.2	79.7	80.4	84.4	86.4	87.4	88.6	88.9	88.9	88.9	88.9	89.0	89.3	91.0
≥ 600	56.9	63.0	69.8	80.5	81.4	85.7	87.9	89.2	90.4	90.6	90.6	90.6	90.6	90.7	91.0	92.7
≥ 500	57.0	63.1	70.1	81.5	82.6	87.2	89.5	91.5	92.7	93.2	93.2	93.2	93.2	93.4	93.7	95.7
≥ 400	57.0	63.1	70.1	81.8	82.9	87.7	90.0	92.3	93.7	94.2	94.2	94.2	94.2	94.4	94.7	96.6
≥ 300	57.0	63.1	70.1	81.9	83.0	88.0	90.4	93.1	94.6	95.0	95.0	95.0	95.0	95.2	95.6	97.5
≥ 200	57.0	63.1	70.1	81.9	83.0	88.0	90.5	93.2	94.7	95.2	95.2	95.2	95.2	95.7	96.3	99.1
≥ 100	57.0	63.1	70.1	81.9	83.0	88.0	90.5	93.2	94.7	95.2	95.2	95.2	95.2	95.7	96.6	97.7
≥ 0	57.0	63.1	70.1	81.9	83.0	88.0	90.5	93.2	94.7	95.2	95.2	95.2	95.2	95.8	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥5	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.6	29.4	31.9	33.7	33.7	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.3
≥ 2000	36.5	38.4	41.6	43.4	43.4	43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.1	44.2
≥ 1500	36.8	38.7	41.9	43.8	43.8	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.5
≥ 1000	36.8	38.7	41.9	43.8	43.8	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.5
≥ 800	36.8	38.7	41.9	43.8	43.8	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.5
≥ 600	37.4	39.4	42.8	44.9	44.9	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.7
≥ 400	38.6	40.6	44.2	47.0	47.0	47.5	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	48.0	48.1
≥ 200	40.1	42.2	45.8	48.7	48.7	49.2	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.8
≥ 100	43.8	45.8	49.6	52.6	52.6	53.2	53.4	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.9
≥ 50	44.5	46.7	50.4	53.8	53.8	54.4	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.9	55.1
≥ 25	45.1	47.2	51.2	54.6	54.6	55.3	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.9
≥ 10	46.1	48.3	52.4	55.9	55.9	56.6	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.2
≥ 5	47.3	49.5	53.5	57.1	57.1	57.8	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.5
≥ 2	48.8	51.0	55.3	58.9	58.9	59.8	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.4
≥ 1	50.4	52.7	57.0	60.8	60.8	61.6	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.3
≥ 0.5	53.4	55.8	60.5	64.6	64.6	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.2
≥ 0.25	57.1	59.6	64.3	68.7	68.8	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.3
≥ 0.1	62.3	65.3	70.2	75.2	75.2	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.9	77.0
≥ 0.05	64.4	67.5	72.5	77.5	77.6	78.7	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.4
≥ 0.025	68.5	71.7	77.5	82.9	83.0	84.1	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9	85.1
≥ 0.01	70.0	73.8	80.0	86.2	86.5	88.1	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.2
≥ 0.005	71.9	76.0	82.4	89.5	89.9	91.7	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.9
≥ 0.0025	72.4	76.5	82.8	90.0	90.4	92.3	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.4
≥ 0.001	72.1	77.3	84.2	91.9	92.5	94.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	96.0
≥ 0.0005	73.4	77.8	84.8	92.7	93.5	95.8	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.5
≥ 0.00025	73.4	77.8	84.8	92.9	93.8	96.0	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.8
≥ 0.0001	73.5	78.0	84.9	93.1	94.0	96.2	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.9	98.2
≥ 0.00005	73.5	78.0	84.9	93.1	94.1	96.5	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.9
≥ 0.000025	73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.8
≥ 0.00001	73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.8
≥ 0.000005	73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.8
≥ 0.0000025	73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.8
≥ 0.000001	73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
GROUP 1

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	28.5	28.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000	40.6	40.9	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 18000	41.6	41.8	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	41.7	41.9	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000	41.9	42.2	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 12000	42.7	42.9	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 10000	45.1	45.3	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 9000	47.6	47.8	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 8000	51.9	52.2	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	53.0	53.2	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	53.7	53.9	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000	56.1	56.5	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 4500	59.2	59.6	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4000	63.1	63.5	64.2	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3500	69.0	69.6	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	73.9	74.6	75.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	78.9	79.8	80.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2000	83.7	85.1	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	85.1	86.7	87.7	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1500	87.8	89.7	91.0	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	89.2	91.2	92.8	95.2	95.6	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	89.8	91.7	93.3	96.0	96.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	89.9	91.8	93.4	96.1	96.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 800	90.1	92.2	93.9	96.6	97.2	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 700	90.1	92.2	94.0	96.8	97.4	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.7
≥ 600	90.1	92.2	94.0	96.8	97.4	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 500	90.3	92.4	94.2	97.0	97.7	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.4
≥ 400	90.3	92.4	94.2	97.0	97.7	98.5	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5
≥ 300	90.3	92.4	94.2	97.1	97.8	98.6	99.0	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.8
≥ 200	90.4	92.5	94.3	97.2	98.0	98.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.9	99.9
≥ 100	90.4	92.5	94.3	97.2	98.0	98.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.9	99.9
≥ 0	90.4	92.5	94.3	97.2	98.0	98.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		29.6	29.9	30.1	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 20000		43.1	43.4	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 18000		43.7	44.0	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 16000		43.7	44.0	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 14000		43.9	44.2	44.4	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000		44.9	45.3	45.5	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 10000		46.1	46.4	46.7	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000		49.8	50.1	50.4	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000		56.5	56.8	57.2	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 7000		57.8	58.2	58.6	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000		58.8	59.1	59.6	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 5000		62.4	62.7	63.1	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4500		66.9	67.2	67.6	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000		70.4	70.8	71.3	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500		74.5	74.6	75.3	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000		80.2	80.5	81.6	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500		84.1	84.4	85.8	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000		88.4	88.8	90.3	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		88.9	89.4	91.1	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1600		90.3	90.8	92.7	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1400		91.4	91.8	93.8	96.6	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200		91.7	92.2	94.2	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000		91.9	92.4	94.4	97.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900		92.2	92.6	94.8	97.6	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800		92.4	92.8	95.1	98.0	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		92.4	92.8	95.3	98.2	98.6	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600		92.4	92.8	95.3	98.2	98.6	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500		92.4	92.8	95.3	98.2	98.6	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		92.4	92.8	95.3	98.2	98.6	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		92.5	92.9	95.4	98.3	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		92.5	92.9	95.4	98.3	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		92.5	92.9	95.4	98.3	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		92.5	92.9	95.4	98.3	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

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MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	10	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76
NO CEILING	37.2	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 1000	49.2	49.7	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 800	49.4	49.9	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 600	49.4	49.9	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 400	49.6	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 200	52.6	51.1	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 100	54.5	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 80	57.3	58.0	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 60	63.9	64.7	65.2	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 40	65.8	66.5	67.1	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 20	66.7	67.5	68.0	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10	70.9	71.7	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5	74.7	75.6	76.3	76.6	76.6	76.9	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2	78.1	79.1	79.9	80.2	80.2	80.5	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1	81.4	82.6	83.4	83.9	83.9	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1/2	84.4	85.7	86.9	87.4	87.4	87.7	87.7	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1/4	86.3	87.7	89.1	89.6	89.9	90.3	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1/8	88.1	89.8	91.2	91.9	92.0	92.8	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1/16	88.3	90.0	91.4	92.1	92.2	93.0	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1/32	89.1	90.9	92.5	93.4	93.5	94.4	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1/64	90.2	92.0	93.6	94.9	95.0	96.2	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1/128	90.5	92.5	94.1	95.5	95.8	97.1	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1/256	90.6	92.6	94.2	95.6	95.9	97.2	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1/512	90.7	92.8	94.5	96.0	96.3	97.6	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1/1024	91.1	93.1	94.8	96.8	97.1	98.4	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1/2048	91.2	93.2	94.9	97.0	97.3	98.6	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1/4096	91.2	93.2	94.9	97.0	97.4	98.7	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1/8192	91.2	93.2	94.9	97.1	97.5	98.8	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1/16384	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/32768	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/65536	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/131072	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/262144	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/524288	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/1048576	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/2097152	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/4194304	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/8388608	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/16777216	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/33554432	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/67108864	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/134217728	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/268435456	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/536870912	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/1073741824	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/2147483648	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/4294967296	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/8589934592	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/17179869184	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/34359738368	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/68719476736	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/137438953472	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/274877906944	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/549755813888	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/1099511627776	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/2199023255552	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/4398046511104	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/8796093022208	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/17592186044416	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/35184372088832	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/70368744177664	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/140737488355328	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/281474976710656	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/562949953421312	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/1125899906842624	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/2251799813685248	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/4503599627370496	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1/9007199254740992	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

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19-70, 72-76

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CLOUDS	48.0	48.9	49.3	49.0	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
1-100	55.1	56.3	56.9	57.7	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
1-1000	55.2	56.4	57.0	57.8	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
1-10000	55.2	56.4	57.0	57.8	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
1-4000	55.3	56.5	57.1	57.9	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
1-40000	55.3	56.5	57.1	57.9	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
1-100000	57.8	59.0	59.6	60.0	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
1-1000000	59.5	60.7	61.3	62.2	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
1-8000	64.6	65.8	66.4	67.4	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
1-10000000	66.4	67.6	68.2	69.2	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
1-80000	66.8	68.0	68.6	69.5	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1-50000	71.3	72.5	73.1	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
1-4500	75.0	76.3	76.9	78.1	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
1-40000	78.4	79.7	80.3	81.7	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
1-100000000	81.4	81.7	82.4	84.2	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
1-1000000000	82.2	83.6	84.5	86.3	85.7	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
1-2500	83.4	84.9	85.9	87.6	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
1-20000	85.1	86.9	87.8	90.3	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
1-800	85.5	87.3	88.3	90.9	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
1-500	86.6	88.4	89.5	92.4	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
1-100000	88.5	90.6	91.8	94.7	95.3	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1-1000000	89.4	91.4	92.5	95.9	96.8	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1-400000	89.4	91.4	92.6	95.9	97.0	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1-800000	89.4	91.4	92.6	95.9	97.0	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1-700	89.4	91.5	93.0	96.3	97.4	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
1-1000000000	90.0	92.1	93.5	96.9	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1-500000	90.1	92.2	93.7	97.1	98.2	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1-4000000	90.1	92.2	93.8	97.4	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1-3000	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1-10000000000	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1-100000000000	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042

BITBURG AB GERMANY

9-73

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
NO CLOUDS	34.3	35.3	36.3	37.0	37.7	38.1	38.2	38.2	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.0
≥ 2000	42.4	43.7	44.9	46.5	46.6	47.0	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.7
≥ 1800	42.7	44.0	45.2	46.8	46.9	47.4	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.7	47.8	48.0
≥ 1600	42.7	44.0	45.2	46.8	46.9	47.4	47.5	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.8	48.0
≥ 1400	42.9	44.1	45.4	46.9	47.0	47.5	47.7	47.7	47.8	47.8	47.8	47.9	47.8	47.8	47.9	48.1
≥ 1200	43.6	44.9	46.2	47.8	48.0	48.4	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.9	49.1
≥ 1000	44.2	47.6	48.9	50.7	50.8	51.4	51.5	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.9	52.1
≥ 800	47.8	49.2	50.6	52.5	52.6	53.2	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.7	54.0
≥ 600	52.4	53.9	55.4	57.4	57.6	58.2	58.4	58.5	58.6	58.6	58.7	58.7	58.7	58.8	58.9	59.1
≥ 400	53.7	55.3	56.8	58.9	59.1	59.7	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.4	60.6
≥ 200	54.3	55.9	57.4	59.6	59.7	60.3	60.5	60.6	60.8	60.8	60.8	60.9	61.0	61.1	61.1	61.3
≥ 100	56.9	58.0	60.2	62.6	62.7	63.3	63.6	63.7	63.8	63.9	63.9	63.9	64.0	64.1	64.2	64.3
≥ 50	60.1	61.9	63.5	66.1	66.3	67.0	67.2	67.3	67.5	67.5	67.5	67.6	67.7	67.8	67.8	68.0
≥ 30	63.1	65.0	66.8	69.5	69.7	70.5	70.7	70.8	71.0	71.0	71.1	71.1	71.2	71.3	71.3	71.6
≥ 15	65.8	67.8	69.7	72.0	72.7	73.5	73.8	73.9	74.1	74.1	74.2	74.2	74.3	74.4	74.4	74.7
≥ 10	69.1	71.2	73.3	76.4	76.5	77.4	77.7	77.8	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.6
≥ 5	71.5	73.7	75.9	79.1	79.3	80.1	80.4	80.6	80.8	80.8	80.8	80.9	81.0	81.1	81.1	81.4
≥ 3	74.6	77.1	79.4	82.9	83.1	84.1	84.5	84.6	84.8	84.9	84.9	85.0	85.1	85.2	85.2	85.4
≥ 2	75.6	78.1	80.5	84.0	84.3	85.3	85.6	85.8	86.0	86.1	86.1	86.2	86.2	86.3	86.3	86.6
≥ 1	77.9	80.5	83.2	87.1	87.4	88.5	88.9	89.1	89.4	89.4	89.4	89.5	89.6	89.7	89.7	89.9
≥ 0	79.3	82.2	85.2	89.6	90.0	91.4	91.9	92.1	92.3	92.3	92.4	92.5	92.5	92.6	92.6	92.9
≥ 0	80.2	83.2	86.3	91.1	91.6	93.2	93.8	94.0	94.3	94.3	94.3	94.4	94.5	94.6	94.6	94.8
≥ 0	80.4	83.4	86.5	91.3	91.9	93.5	94.1	94.3	94.6	94.6	94.6	94.7	94.8	94.9	94.9	95.2
≥ 0	80.6	83.7	87.0	92.0	92.6	94.3	95.0	95.3	95.5	95.6	95.6	95.7	95.8	95.9	96.2	96.2
≥ 0	80.8	83.9	87.3	92.5	93.2	95.0	95.7	96.0	96.3	96.3	96.4	96.5	96.5	96.6	96.9	96.9
≥ 0	81.0	84.1	87.6	92.9	93.6	95.5	96.2	96.6	96.9	96.9	97.0	97.1	97.1	97.3	97.5	97.5
≥ 0	81.1	84.2	87.7	93.2	93.9	95.8	96.6	97.0	97.3	97.4	97.5	97.6	97.6	97.8	98.0	98.0
≥ 0	81.1	84.2	87.8	93.3	94.2	96.1	97.0	97.5	97.8	97.9	98.0	98.1	98.1	98.3	98.6	98.6
≥ 0	81.2	84.3	87.9	93.5	94.3	96.3	97.3	97.9	98.3	98.4	98.4	98.5	98.5	98.7	98.8	99.1
≥ 0	81.2	84.3	87.9	93.5	94.4	96.4	97.4	98.0	98.4	98.5	98.5	98.8	99.0	99.3	99.8	99.8
≥ 0	81.2	84.3	87.9	93.5	94.4	96.4	97.4	98.0	98.5	98.6	98.7	98.8	99.1	99.4	100.0	100.0
≥ 0	81.2	84.3	87.9	93.5	94.4	96.4	97.4	98.0	98.5	98.6	98.7	98.8	99.1	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7184

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY

69-70, 72-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
2000	52.4	53.4	54.0	55.7	55.9	56.0	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.7	56.7						
1800	57.7	58.7	59.3	61.0	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5						
1600	57.7	58.7	59.3	61.0	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5						
1400	58.1	59.1	59.7	61.9	62.1	62.2	62.5	62.7	62.7	62.7	62.7	62.8	62.8	62.9	62.9						
1200	58.8	59.8	60.4	62.7	62.8	62.9	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.7	63.7						
1000	60.3	61.3	62.1	64.3	64.4	64.5	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.3	65.3						
0800	62.1	63.0	63.9	66.3	66.4	66.5	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.2	67.2						
0600	66.4	67.5	68.5	71.2	71.3	71.4	71.9	72.1	72.1	72.1	72.1	72.2	72.2	72.3	72.3						
0400	66.6	67.7	68.7	71.4	71.5	71.7	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.6	72.6						
0200	66.9	68.0	69.1	71.8	71.9	72.1	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.9	72.9						
0000	69.5	70.6	71.9	74.7	74.8	74.9	75.4	75.5	75.5	75.5	75.5	75.6	75.6	75.8	75.8						
2200	74.2	75.3	76.6	79.5	79.6	79.7	80.2	80.3	80.3	80.3	80.3	80.5	80.5	80.6	80.6						
2000	78.0	79.1	80.5	83.8	83.9	84.2	84.7	85.0	85.0	85.0	85.0	85.2	85.2	85.3	85.3						
1800	79.9	81.1	82.4	86.3	86.4	86.7	87.1	87.5	87.5	87.5	87.5	87.6	87.6	87.8	87.8						
1600	82.2	83.6	84.6	87.6	87.8	88.0	88.5	88.9	88.9	88.9	88.9	89.0	89.0	89.1	89.1						
1400	82.7	84.1	85.1	88.1	88.3	88.6	89.2	89.6	89.6	89.6	89.6	89.7	89.7	89.9	89.9						
1200	83.4	84.8	85.8	88.9	89.2	89.4	89.9	90.5	91.0	91.0	91.0	91.0	91.1	91.1	91.2	91.2					
1000	83.7	85.0	86.0	89.5	89.6	90.1	90.7	91.2	91.2	91.2	91.2	91.3	91.3	91.5	91.5						
0800	83.4	84.8	86.3	90.9	91.0	91.5	92.1	92.6	92.6	92.6	92.6	92.7	92.7	92.8	92.8						
0600	84.9	86.3	87.8	92.7	92.8	93.4	94.1	94.8	94.8	94.8	94.8	94.8	94.9	94.9	95.1	95.1					
0400	85.7	87.0	88.5	93.9	94.1	94.7	95.4	96.2	96.2	96.2	96.2	96.3	96.3	96.4	96.4						
0200	86.4	87.8	89.4	94.8	94.9	95.6	96.3	97.0	97.0	97.0	97.0	97.2	97.2	97.3	97.3						
0000	86.8	88.1	89.7	95.3	95.4	96.0	96.8	97.5	97.5	97.5	97.5	97.8	97.8	97.9	97.9						
2200	86.8	88.3	90.0	95.6	95.7	96.7	97.4	98.3	98.3	98.3	98.3	98.5	98.5	98.6	98.6						
2000	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.0	99.0	99.0	99.0	99.3	99.3	99.5	99.6						
1800	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
1600	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
1400	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
1200	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
1000	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
0800	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
0600	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
0400	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
0200	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						
0000	87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9						

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY

0-76

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

SEA LEVEL METERS															
CEILING FEET	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0-50	37.5	40.5	42.9	45.9	46.4	47.8	48.9	49.2	49.3	49.5	49.5	49.5	49.7	49.8	50.2
50-100	41.2	45.0	47.5	50.4	51.4	52.9	54.0	54.4	54.5	54.6	54.6	54.6	55.0	55.2	55.7
100-150	42.3	45.4	47.9	51.1	51.7	53.3	54.4	54.7	54.8	55.0	55.0	55.0	55.3	55.6	56.0
150-200	42.3	45.4	47.9	51.1	51.7	53.3	54.4	54.7	54.8	55.0	55.0	55.0	55.3	55.6	56.0
200-250	42.3	45.4	47.9	51.1	51.7	53.3	54.4	54.7	54.8	55.0	55.0	55.0	55.3	55.6	56.0
250-300	42.9	46.0	48.5	51.7	52.3	54.0	55.1	55.4	55.6	55.7	55.7	55.7	56.0	56.3	56.8
300-350	45.4	48.5	51.1	54.7	55.4	57.1	58.2	58.5	58.7	58.8	58.8	58.8	59.1	59.4	59.9
350-400	47.1	50.2	52.8	56.6	57.5	59.1	60.3	60.8	60.9	61.1	61.1	61.1	61.4	61.6	62.1
400-450	49.3	53.4	56.5	60.8	61.8	63.7	65.0	65.5	65.7	65.8	65.8	65.8	66.2	66.4	66.9
450-500	50.4	54.2	57.6	61.9	63.0	65.0	66.3	66.8	67.0	67.1	67.1	67.1	67.5	67.7	68.2
500-550	50.4	54.4	57.7	62.0	63.1	65.1	66.4	66.9	67.1	67.3	67.3	67.3	67.6	67.9	68.3
550-600	52.0	57.0	60.3	64.8	65.8	67.9	69.2	69.7	69.9	70.0	70.0	70.0	70.4	70.6	71.1
600-650	55.0	59.0	62.4	67.3	68.3	70.6	72.2	72.8	73.0	73.1	73.1	73.1	73.5	73.7	74.2
650-700	57.5	61.8	65.2	70.5	71.6	74.0	75.6	76.3	76.6	76.7	76.7	76.7	77.1	77.3	77.8
700-750	59.7	64.5	68.0	73.5	74.6	76.9	78.6	79.3	79.6	79.7	79.7	79.7	80.0	80.3	80.8
750-800	60.7	65.6	69.1	74.6	75.7	78.3	79.9	80.6	80.9	81.0	81.0	81.1	81.5	81.7	82.2
800-850	61.9	66.8	70.3	75.7	77.1	79.6	81.2	82.0	82.2	82.3	82.3	82.3	82.8	83.0	83.5
850-900	63.2	68.1	71.6	77.2	78.5	81.1	82.8	83.6	83.9	84.0	84.0	84.1	84.5	84.7	85.2
900-950	63.8	68.8	72.4	78.0	79.3	82.1	83.8	84.6	84.8	84.9	84.9	85.1	85.4	85.7	86.1
950-1000	65.6	70.6	74.6	80.6	82.0	85.1	87.0	87.8	88.1	88.2	88.2	88.3	88.6	88.9	89.4
1000-1050	67.1	72.2	76.3	82.5	83.9	87.1	89.1	90.0	90.2	90.3	90.3	90.4	90.8	91.0	91.5
1050-1100	68.0	73.1	77.3	84.0	85.3	88.6	90.8	91.8	92.0	92.1	92.1	92.2	92.6	92.8	93.3
1100-1150	68.0	73.1	77.3	84.0	85.3	88.6	90.8	91.8	92.0	92.1	92.1	92.2	92.6	92.8	93.3
1150-1200	68.8	74.0	78.4	85.2	86.5	90.0	92.4	93.3	93.5	93.7	93.7	93.8	94.1	94.4	94.9
1200-1250	69.1	74.6	79.1	86.1	87.5	91.2	93.5	94.5	94.9	95.0	95.0	95.1	95.5	95.7	96.2
1250-1300	69.2	74.7	79.5	86.9	88.2	92.0	94.5	95.5	95.9	96.1	96.1	96.2	96.5	96.8	97.3
1300-1350	69.4	75.1	80.0	87.8	89.2	93.1	95.7	96.7	97.3	97.5	97.5	97.6	98.0	98.3	98.8
1350-1400	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.8	97.4	97.6	97.6	97.7	98.1	98.6	99.0
1400-1450	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.9	97.7	98.0	98.0	98.1	98.4	99.0	99.5
1450-1500	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.9	97.8	98.1	98.1	98.2	98.6	99.2	99.6
1500-1550	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.9	97.8	98.1	98.1	98.2	98.6	99.2	99.9
1550-1600	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.9	97.8	98.1	98.1	98.2	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042

BITBURG AB GERMANY

9-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0800

PERCENTAGE FREQUENCY OF OCCURRENCE																
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NO. 1000	28.1	31.0	33.7	36.8	37.5	37.8	41.0	41.7	42.0	42.3	42.7	42.9	43.1	43.4	43.7	
NO. 900	32.1	35.8	38.7	42.3	42.9	45.4	46.6	47.4	47.7	47.9	48.5	48.7	48.9	49.3	49.6	
NO. 800	32.3	36.0	38.9	42.5	43.1	45.6	46.8	47.6	47.9	48.2	48.7	48.9	49.2	49.5	49.8	
NO. 700	32.3	36.0	38.9	42.5	43.1	45.6	46.8	47.6	47.9	48.2	48.7	48.9	49.2	49.5	49.8	
NO. 600	32.3	36.0	38.9	42.5	43.1	45.6	46.8	47.6	47.9	48.2	48.7	48.9	49.2	49.5	49.8	
NO. 500	32.7	36.7	39.7	43.3	44.0	46.5	47.7	48.5	48.8	49.1	49.6	49.8	50.1	50.4	50.7	
NO. 400	35.9	40.1	43.5	47.2	47.9	50.5	51.7	52.6	53.0	53.2	53.7	54.0	54.2	54.5	54.8	
NO. 300	37.2	41.5	44.9	48.9	49.7	52.3	53.6	54.5	54.8	55.1	55.6	55.9	56.1	56.4	56.7	
NO. 200	42.2	44.9	48.1	53.8	54.7	57.7	59.2	60.3	60.6	60.9	61.4	61.6	61.9	62.2	62.5	
NO. 100	42.9	45.0	49.7	54.6	55.6	58.8	60.2	61.3	61.6	61.9	62.4	62.7	62.9	63.2	63.5	
NO. 800	41.4	46.0	50.2	55.2	56.2	59.3	60.8	61.9	62.2	62.4	63.0	63.2	63.4	63.8	64.1	
NO. 700	42.9	47.7	52.0	57.2	58.2	61.3	62.8	63.9	64.2	64.4	65.0	65.2	65.4	65.8	66.1	
NO. 600	44.7	49.7	54.1	59.4	60.4	63.5	65.1	66.3	66.7	66.9	67.4	67.7	67.9	68.2	68.6	
NO. 500	44.0	51.2	55.9	61.5	62.5	65.9	67.7	69.0	69.3	69.6	70.1	70.3	70.6	70.9	71.2	
NO. 400	47.9	53.1	58.0	63.8	64.8	68.2	70.1	71.5	71.8	72.0	72.6	72.8	73.0	73.4	73.7	
NO. 300	49.2	54.4	59.3	65.9	67.2	70.7	72.6	74.0	74.4	74.6	75.3	75.5	75.7	76.0	76.4	
NO. 200	50.3	55.7	60.6	67.6	68.9	72.4	74.4	75.8	76.1	76.4	77.0	77.2	77.5	77.8	78.1	
NO. 100	51.3	56.9	61.9	69.6	70.9	74.5	76.5	77.9	78.3	78.5	79.2	79.4	79.6	79.9	80.3	
NO. 800	51.7	57.3	62.4	70.3	71.7	75.4	77.4	78.8	79.2	79.4	80.0	80.3	80.5	80.8	81.2	
NO. 700	53.5	59.5	65.0	73.4	75.1	79.4	81.4	82.8	83.2	83.4	84.1	84.3	84.5	84.8	85.2	
NO. 600	54.6	60.8	66.2	75.4	77.4	81.9	84.1	85.6	86.0	86.2	86.8	87.1	87.3	87.6	88.0	
NO. 500	55.5	61.9	67.6	77.5	79.6	84.4	87.1	88.7	89.2	89.4	90.1	90.3	90.5	90.9	91.2	
NO. 400	55.6	62.0	67.7	77.9	80.0	84.9	87.7	89.4	89.9	90.1	90.7	91.0	91.2	91.5	91.9	
NO. 300	55.7	62.1	68.2	78.7	80.8	85.8	88.9	90.5	91.1	91.3	92.0	92.2	92.4	92.8	93.1	
NO. 200	55.9	62.4	68.7	79.4	81.5	86.6	89.7	91.4	92.1	92.3	93.0	93.2	93.4	93.8	94.1	
NO. 100	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 800	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 700	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 600	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 500	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 400	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 300	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 200	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 100	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 800	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 700	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 600	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 500	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 400	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 300	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 200	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 100	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 800	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 700	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 600	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 500	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 400	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 300	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 200	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 100	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 800	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 700	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 600	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 500	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 400	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 300	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 200	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 100	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 800	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 700	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 600	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 500	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 400	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 300	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 200	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 100	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 800	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 700	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 600	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 500	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 400	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 300	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 200	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9	
NO. 100	55.9															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34040 BITBURG AB GERMANY

9-76

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NO CEILING	32.7	34.3	36.4	38.3	38.3	36.7	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
2-300	37.6	39.4	41.8	44.2	44.2	44.6	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
2-400	37.8	39.7	42.0	44.4	44.4	44.8	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
2-500	37.8	39.7	42.0	44.4	44.4	44.8	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
2-600	37.2	40.1	42.4	44.9	44.9	45.2	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2-700	30.6	41.7	44.0	46.6	46.6	46.9	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
2-800	42.2	44.9	47.4	50.0	50.0	50.3	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
2-900	44.0	46.7	49.2	51.9	51.9	52.2	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
2-1000	47.0	50.0	52.9	55.6	55.6	56.1	56.4	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2-1100	48.0	51.0	53.9	56.8	56.8	57.1	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2-1200	48.3	51.3	54.2	57.1	57.1	57.4	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2-1300	49.8	52.8	55.7	58.6	58.6	59.2	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
2-1400	51.9	54.9	57.8	60.9	60.9	61.3	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2-1500	54.8	58.0	61.0	64.4	64.4	64.9	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
2-1600	58.9	62.2	65.4	68.9	68.9	69.3	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2-1700	62.4	65.9	69.3	72.9	72.9	73.4	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2-1800	66.3	70.0	73.7	77.4	77.4	78.0	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2-1900	69.7	73.3	77.6	82.0	82.0	82.6	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2-2000	71.2	75.0	79.3	83.9	83.9	84.4	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2-2100	74.6	78.6	83.2	88.1	88.1	88.7	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2-2200	75.9	80.3	85.2	90.9	91.0	91.7	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
2-2300	76.8	81.6	86.7	93.1	93.2	94.3	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2-2400	77.1	81.9	87.0	93.4	93.6	94.7	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2-2500	77.2	82.1	87.2	93.9	94.1	95.4	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2-2600	77.6	82.4	87.6	94.4	94.9	96.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2-2700	77.6	82.4	87.8	94.8	95.3	97.0	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8
2-2800	77.6	82.4	87.8	94.8	95.3	97.3	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3
2-2900	77.6	82.4	87.8	94.8	95.3	97.6	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
2-3000	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
2-3100	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
2-3200	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

CEILING VERSUS VISIBILITY

9-75

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1200-1400

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 3-14-57 (GL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34242 BITBURG AB GERMANY

9-75

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
0-10	33.6	33.6	33.8	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
10-20	42.9	42.9	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
20-30	42.9	42.9	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
30-40	42.9	42.9	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
40-50	43.7	43.7	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
50-60	48.3	48.3	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
60-70	50.3	50.3	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
70-80	53.5	53.5	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
80-90	54.4	54.4	54.6	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
90-100	55.8	55.8	56.1	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
100-110	60.3	60.4	60.5	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
110-120	64.2	64.3	64.5	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
120-130	71.4	71.2	72.1	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
130-140	77.5	77.9	78.5	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
140-150	82.9	83.6	84.3	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
150-160	86.7	87.5	88.7	89.6	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
160-170	89.8	89.9	91.1	92.4	92.5	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
170-180	90.8	90.9	92.1	93.4	93.5	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
180-190	91.8	93.0	94.2	95.1	96.2	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
190-200	92.3	93.7	95.0	97.4	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
200-210	92.5	93.9	95.3	98.1	98.3	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
210-220	92.5	93.9	95.3	98.1	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
220-230	92.5	93.9	95.6	98.3	98.6	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
230-240	92.5	94.0	95.7	98.4	98.7	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
240-250	92.5	94.0	95.7	98.4	98.7	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
250-260	92.7	94.1	95.8	98.6	98.6	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
260-270	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
270-280	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
280-290	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
290-300	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AF

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY

9-73

321

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
30.0	37.8	40.2	40.2	40.4	40.6	41.0	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
35.0	51.7	52.1	52.2	52.7	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
40.0	51.9	52.3	52.4	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
45.0	51.9	52.3	52.4	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
50.0	52.1	52.3	52.9	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
55.0	53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
60.0	57.1	58.4	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
65.0	67.3	68.6	68.9	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
70.0	65.4	66.0	66.1	66.8	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
75.0	65.8	66.3	66.6	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
80.0	65.3	67.0	67.2	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
85.0	70.7	71.3	71.7	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
90.0	75.6	76.3	76.7	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
95.0	79.2	80.0	80.4	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
100.0	83.3	84.2	84.7	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
105.0	86.1	87.1	87.9	89.0	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
110.0	87.3	88.8	89.8	92.0	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
115.0	90.1	90.1	91.3	93.7	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
120.0	89.6	90.6	91.8	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
125.0	90.6	91.7	93.0	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
130.0	91.0	92.3	93.8	96.3	97.0	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
135.0	91.4	92.9	94.4	97.1	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
140.0	91.7	93.1	94.7	97.6	98.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
145.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
150.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
155.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
160.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
165.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
170.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
175.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
180.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
185.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
190.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
195.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200.0	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAO

CEILING VERSUS VISIBILITY

34942 BITBURG AB GERMANY

09-76

101

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
48.5	49.0	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
54.0	56.6	57.0	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
56.0	56.6	57.0	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
56.7	56.6	57.0	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
56.6	57.2	57.5	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
57.6	58.2	58.5	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
60.4	61.0	61.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
62.8	63.4	63.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
68.4	69.3	69.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
69.1	69.9	70.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
69.4	70.3	70.8	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
73.7	75.0	75.5	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
77.4	78.8	79.3	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
81.0	82.7	83.4	86.6	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
83.5	85.8	86.5	89.9	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
84.6	87.1	87.8	91.1	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
85.2	87.7	88.4	91.7	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
85.3	88.8	89.5	93.2	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
86.4	88.9	89.6	93.5	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
86.8	89.3	90.1	94.3	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
87.4	89.9	90.9	95.2	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
87.8	90.3	91.2	95.9	96.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
88.0	90.5	91.5	96.2	96.4	97.5	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
88.5	91.0	92.0	96.7	96.9	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
88.5	91.1	92.1	96.8	97.0	98.2	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
88.8	91.4	92.4	97.0	97.3	98.8	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.9	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.9	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.9	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.9	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 111

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GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

09-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2200

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	59.0	59.3	60.8	61.5	62.0	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	61.1	62.4	63.9	64.8	65.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 8000	61.1	62.4	63.9	64.8	65.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000	61.1	62.4	63.9	64.8	65.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 14000	61.2	62.5	64.1	64.9	65.4	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	61.7	63.0	64.5	65.4	65.8	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 10000	64.2	65.7	67.2	68.1	68.6	69.3	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000	64.6	66.3	68.0	68.8	69.4	70.0	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 8000	67.8	69.5	71.1	72.0	72.5	73.2	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000	68.4	70.2	71.8	72.7	73.2	73.9	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000	69.3	71.2	72.9	73.9	74.4	75.1	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	71.8	73.9	75.6	76.7	77.2	77.9	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	75.5	77.7	79.5	80.7	81.3	81.9	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000	78.1	80.7	82.7	84.2	84.7	85.5	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	79.6	82.2	84.3	86.4	86.9	87.7	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	81.5	84.1	86.2	88.2	88.9	89.7	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2500	82.1	84.7	86.8	89.0	89.7	90.4	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2000	83.6	86.2	88.2	90.5	91.2	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	84.0	86.6	88.7	91.0	91.6	92.5	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1500	85.8	88.7	90.8	93.2	93.9	94.9	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	87.1	90.0	92.2	94.7	95.3	96.3	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	87.5	90.3	92.7	95.2	95.9	96.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	87.7	90.5	92.9	95.4	96.1	97.1	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 800	88.0	90.8	93.2	95.8	96.4	97.4	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	88.3	91.2	93.6	96.1	96.7	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	88.7	91.5	94.0	96.6	97.3	98.3	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

0-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0200-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 0	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	43.0	46.1	47.7	50.2	51.0	53.2	53.6	54.5	54.6	54.8	54.9	54.9	55.0	55.1	55.3	
≥ 20000	45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3	
≥ 18000	45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3	
≥ 16000	45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3	
≥ 14000	45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3	
≥ 12000	45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3	
≥ 10000	45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3	
≥ 9000	47.4	50.9	52.6	55.3	56.3	58.5	58.9	59.8	59.9	60.1	60.2	60.2	60.5	60.7	61.1	
≥ 8000	48.2	51.5	53.6	56.3	57.3	59.6	60.0	60.9	61.0	61.2	61.3	61.3	61.6	61.7	62.2	
≥ 7000	51.1	55.2	57.3	60.4	61.4	64.2	64.7	65.5	66.0	66.2	66.3	66.3	66.6	66.7	67.2	
≥ 6000	51.5	55.7	57.8	61.0	62.0	64.8	65.2	66.1	66.5	66.7	66.8	66.8	67.2	67.3	67.7	
≥ 5000	52.9	57.1	59.3	62.5	63.5	66.3	66.7	67.6	68.0	68.3	68.4	68.4	68.7	68.8	69.2	
≥ 4500	55.5	60.1	62.5	65.8	66.7	69.6	70.0	70.9	71.3	71.5	71.6	71.6	72.0	72.1	72.5	
≥ 4000	58.4	63.5	66.0	69.5	70.4	73.4	73.9	74.8	75.2	75.4	75.5	75.5	75.9	76.0	76.4	
≥ 3500	60.9	66.3	68.9	73.0	74.0	77.3	77.9	78.8	79.2	79.6	79.7	79.7	80.0	80.1	80.7	
≥ 3000	61.7	67.5	70.1	74.6	75.5	79.0	79.9	80.8	81.2	81.5	81.6	81.6	82.0	82.1	82.6	
≥ 2500	64.3	70.2	73.0	77.5	78.6	82.1	82.9	83.8	84.2	84.6	84.7	84.7	85.0	85.1	85.7	
≥ 2000	65.5	71.4	74.3	78.8	79.9	83.4	84.2	85.1	85.5	85.9	86.0	86.0	86.3	86.4	87.0	
≥ 1800	66.5	72.4	75.3	79.8	80.9	84.3	85.3	86.2	86.6	87.0	87.1	87.1	87.4	87.5	88.0	
≥ 1600	67.1	72.9	75.9	80.3	81.4	85.1	86.1	87.0	87.4	87.7	87.8	87.8	88.2	88.3	88.8	
≥ 1400	69.3	75.4	78.4	82.8	83.9	87.6	88.6	89.5	89.9	90.2	90.3	90.3	90.7	90.8	91.3	
≥ 1200	71.1	77.4	80.5	85.2	86.3	90.2	91.2	92.2	92.6	92.9	93.0	93.0	93.4	93.5	94.0	
≥ 1000	71.8	78.4	81.5	86.3	87.4	91.8	92.9	93.9	94.3	94.7	94.8	94.8	95.1	95.2	95.8	
≥ 900	72.1	78.6	81.7	86.5	87.6	92.1	93.2	94.1	94.6	94.9	95.0	95.0	95.3	95.4	96.0	
≥ 800	72.5	79.0	82.2	87.1	88.2	92.7	93.8	94.8	95.2	95.5	95.7	95.7	96.0	96.1	96.6	
≥ 700	72.9	79.6	82.7	87.6	88.7	93.4	94.5	95.4	95.9	96.2	96.3	96.3	96.6	96.7	97.3	
≥ 600	72.9	79.8	82.9	87.8	88.9	93.6	94.7	95.7	96.1	96.4	96.5	96.5	96.8	97.0	97.5	
≥ 500	73.3	80.2	83.6	88.5	89.9	94.8	95.9	96.8	97.3	97.7	97.8	97.8	98.2	98.3	98.8	
≥ 400	73.3	80.2	83.6	88.5	89.9	94.8	95.9	96.8	97.3	97.7	97.8	97.8	98.2	98.4	98.9	
≥ 300	73.3	80.2	83.6	88.6	90.0	95.0	96.2	97.2	97.6	98.0	98.2	98.3	98.7	98.9	99.5	
≥ 200	73.3	80.2	83.6	88.6	90.0	95.0	96.2	97.3	97.8	98.3	98.4	98.5	99.0	99.2	99.9	
≥ 100	73.3	80.2	83.6	88.6	90.0	95.0	96.2	97.3	97.8	98.3	98.4	98.6	99.1	99.3	100.0	
≥ 0	73.3	80.2	83.6	88.6	90.0	95.0	96.2	97.3	97.8	98.3	98.4	98.6	99.1	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	27.5	31.7	34.4	39.3	39.8	41.3	42.3	43.1	43.9	43.9	44.0	44.3	44.5	44.8	45.0	45.0
≥ 18000	30.5	35.0	38.0	43.1	43.6	45.2	46.3	47.1	48.0	48.0	48.1	48.4	48.6	49.0	49.2	49.2
≥ 16000	30.5	35.0	38.0	43.1	43.6	45.2	46.3	47.1	48.0	48.0	48.1	48.4	48.6	49.0	49.2	49.2
≥ 14000	30.6	35.1	38.1	43.2	43.8	45.3	46.4	47.2	48.1	48.1	48.2	48.5	48.8	49.1	49.3	49.3
≥ 12000	31.2	35.7	38.8	44.0	44.8	46.4	47.4	48.3	49.2	49.2	49.3	49.6	49.8	50.2	50.4	50.4
≥ 10000	32.1	37.2	40.3	45.6	46.5	48.3	49.4	50.4	51.5	51.5	51.6	51.9	52.1	52.4	52.7	52.7
≥ 9000	33.3	38.5	41.8	47.6	48.4	50.5	51.6	52.6	53.6	53.6	53.7	54.1	54.3	54.6	54.8	54.8
≥ 8000	35.5	41.3	45.3	51.2	52.2	54.3	55.4	56.5	57.5	57.5	57.8	58.1	58.3	58.6	59.0	59.0
≥ 7000	36.4	42.1	46.1	52.6	53.5	55.6	56.7	57.8	58.8	58.8	59.1	59.4	59.6	59.9	60.3	60.3
≥ 6000	36.9	42.8	46.8	53.3	54.3	56.5	57.5	58.6	59.7	59.7	59.9	60.3	60.5	60.8	61.1	61.1
≥ 5000	38.4	44.7	48.8	55.5	56.6	58.8	60.0	61.1	62.2	62.2	62.4	62.8	63.0	63.3	63.6	63.6
≥ 4500	40.9	47.8	51.9	58.7	59.8	62.3	63.6	64.7	66.0	66.0	66.2	66.6	66.8	67.1	67.4	67.4
≥ 4000	41.7	48.9	53.4	60.3	61.5	64.2	65.9	67.0	68.3	68.3	68.5	68.8	69.1	69.4	69.7	69.7
≥ 3500	43.6	51.0	55.8	63.2	64.4	67.3	69.3	70.5	71.8	71.9	72.2	72.5	72.7	73.1	73.4	73.4
≥ 3000	45.9	53.5	58.4	66.1	67.8	70.9	72.9	74.0	75.4	75.5	75.8	76.1	76.3	76.7	77.0	77.0
≥ 2500	48.1	55.9	61.1	68.9	70.6	73.7	75.7	76.9	78.2	78.3	78.6	79.0	79.3	79.6	79.9	79.9
≥ 2000	49.6	58.1	63.5	71.7	73.4	76.9	78.9	80.1	81.4	81.5	81.9	82.3	82.5	82.8	83.2	83.2
≥ 1800	49.7	58.2	63.7	72.0	73.7	77.2	79.3	80.5	81.8	81.9	82.2	82.6	82.8	83.2	83.5	83.5
≥ 1500	51.5	60.4	66.1	75.1	76.9	80.3	82.8	84.0	85.3	85.5	85.8	86.2	86.4	86.8	87.2	87.2
≥ 1200	52.9	62.3	68.1	77.4	79.2	82.8	85.3	86.5	87.8	87.9	88.3	88.7	88.9	89.3	89.7	89.7
≥ 1000	54.1	63.8	69.7	79.5	81.2	85.1	87.7	88.9	90.2	90.4	90.8	91.2	91.4	91.7	92.2	92.2
≥ 900	54.3	64.1	70.0	79.9	81.7	85.6	88.2	89.4	90.7	90.9	91.2	91.6	91.9	92.2	92.6	92.6
≥ 800	54.8	64.7	70.9	80.9	82.6	86.6	89.4	90.7	92.1	92.3	92.6	93.1	93.3	93.6	94.0	94.0
≥ 700	54.9	64.8	71.1	81.3	83.1	87.5	90.2	91.6	93.1	93.3	93.6	94.0	94.2	94.6	95.0	95.0
≥ 600	54.9	64.8	71.1	81.5	83.3	87.8	90.7	92.2	93.7	93.9	94.2	94.7	94.9	95.2	95.7	95.7
≥ 500	55.0	64.9	71.6	82.3	84.0	89.0	92.3	93.8	95.3	95.5	95.9	96.3	96.5	96.9	97.3	97.3
≥ 400	55.2	65.0	71.7	82.5	84.3	89.5	92.8	94.4	96.0	96.2	96.5	97.3	97.5	97.8	98.3	98.3
≥ 300	55.3	65.1	71.9	82.7	84.5	89.9	93.3	95.1	96.7	97.0	97.3	98.2	98.4	98.8	99.2	99.2
≥ 200	55.3	65.1	71.9	82.7	84.5	89.9	93.4	95.2	97.0	97.2	97.5	98.4	98.8	99.2	100.0	100.0
≥ 100	55.3	65.1	71.9	82.7	84.5	89.9	93.4	95.2	97.0	97.2	97.5	98.4	98.8	99.2	100.0	100.0
≥ 0	55.3	65.1	71.9	82.7	84.5	89.9	93.4	95.2	97.0	97.2	97.5	98.4	98.8	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ 0
NO CEILING	33.3	35.1	37.0	40.8	41.0	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 20000	38.2	40.2	42.5	46.3	46.5	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 18000	38.5	40.5	42.8	46.6	46.8	47.1	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 16000	38.7	40.6	42.9	46.7	46.9	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 14000	38.9	40.8	43.1	46.9	47.1	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 12000	39.5	41.6	44.0	47.8	48.0	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 10000	40.6	42.8	45.3	49.1	49.3	49.6	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 9000	41.5	44.1	46.6	50.5	50.7	51.0	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 8000	44.1	46.8	49.5	53.4	53.6	54.1	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 7000	45.3	48.1	50.8	54.9	55.2	55.7	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 6000	46.4	49.2	51.9	56.1	56.4	56.9	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 5000	47.2	50.1	52.8	57.0	57.2	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4500	49.4	52.2	55.2	59.5	59.7	60.3	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4000	51.8	54.8	57.9	62.3	62.6	63.4	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3500	54.7	58.0	61.1	65.7	66.1	67.0	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 3000	57.8	61.0	64.4	68.9	69.4	70.5	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 2500	62.6	65.9	69.3	73.8	74.3	75.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 2000	68.8	72.4	76.0	80.9	81.3	82.4	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1800	69.7	73.3	77.0	81.9	82.3	83.4	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500	72.9	76.4	80.3	85.6	86.0	87.1	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1200	74.8	78.5	82.6	88.1	88.6	89.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1000	75.7	79.7	84.3	89.9	90.4	91.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	76.1	80.1	84.9	91.0	91.5	92.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 800	76.7	80.8	86.0	92.2	92.7	93.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700	76.7	80.9	86.2	92.8	93.4	94.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600	76.9	81.1	86.6	93.4	94.0	95.3	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	77.0	81.2	86.8	93.9	94.7	96.4	98.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	33.7	34.4	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 20000	40.4	41.5	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000	40.5	41.6	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	40.6	41.7	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000	40.6	41.7	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000	41.5	42.6	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 10000	42.3	43.4	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 9000	43.8	45.0	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 8000	46.8	48.0	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000	46.2	49.4	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 6000	49.0	50.2	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 5000	52.0	53.3	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500	56.0	57.3	58.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 4000	61.1	62.5	63.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 3500	70.4	71.6	73.0	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	78.0	79.4	80.6	81.7	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	83.0	84.5	85.7	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	87.5	89.0	90.6	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	87.9	89.5	91.0	92.6	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	90.0	91.7	93.4	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	90.6	92.3	94.1	96.4	96.4	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	90.8	92.6	94.6	96.9	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	91.2	93.1	95.0	97.3	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	92.1	93.9	96.0	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	92.2	94.0	96.1	98.5	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	92.2	94.0	96.2	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	92.2	94.0	96.3	98.8	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	92.2	94.0	96.3	98.8	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	92.2	94.0	96.3	98.8	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.2	94.0	96.3	98.8	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.2	94.0	96.3	98.8	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.2	94.0	96.3	98.8	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY

9-76

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	27.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 16000	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 14000	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 12000	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 9000	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 8000	56.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 7000	56.5	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 6000	57.1	57.4	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 5000	61.9	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	69.2	69.5	69.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	77.1	77.4	77.9	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500	83.2	83.8	84.3	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	87.4	88.1	88.5	89.1	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	90.4	91.1	91.5	92.4	92.4	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	92.1	92.7	93.3	94.5	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	92.3	92.9	93.7	95.0	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	93.6	94.4	95.3	96.6	96.9	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	94.2	95.1	96.1	97.4	97.6	97.7	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	94.4	95.2	96.3	97.6	97.8	97.9	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	94.6	95.4	96.5	97.8	98.0	98.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	94.9	95.8	97.0	98.3	98.5	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	94.9	95.8	97.0	98.3	98.5	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	94.9	95.8	97.1	98.4	98.6	98.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.9	95.8	97.1	98.5	98.7	98.8	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	94.9	95.8	97.1	98.5	98.7	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	94.9	95.8	97.1	98.6	98.8	99.0	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	95.0	95.9	97.2	98.7	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.0	95.9	97.2	98.7	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.0	95.9	97.2	98.7	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
≥ 1000	40.9	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 800	49.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 600	49.4	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 400	49.4	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 200	49.4	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 100	51.7	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 80	55.1	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 60	57.1	58.1	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 40	61.9	63.0	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 20	63.8	64.9	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10	65.4	66.8	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8	70.4	71.9	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 6	75.4	77.0	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4	81.5	83.5	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2	85.3	87.4	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1	87.7	90.1	90.9	91.4	91.5	91.5	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1/2	90.3	92.8	93.8	94.5	94.6	94.6	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1/4	91.7	94.5	95.4	96.1	96.2	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1/8	91.9	94.7	95.8	96.4	96.5	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1/16	92.6	95.4	96.6	97.5	97.6	97.6	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1/32	93.0	95.9	97.2	98.2	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1/64	93.3	96.1	97.4	98.6	98.7	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1/128	93.3	96.2	97.5	98.7	98.8	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1/256	93.5	96.5	97.8	99.0	99.1	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1/512	93.5	96.5	97.8	99.0	99.1	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1/1024	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1/2048	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/4096	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/8192	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/16384	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/32768	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/65536	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/131072	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/262144	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/524288	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1/1048576	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 919

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34047 BITBURG AB GERMANY

09-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

ELEVATION FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	52.5	53.2	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 2000	58.5	59.2	60.1	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	58.5	59.2	60.1	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	58.5	59.2	60.1	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	58.5	59.2	60.1	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 2000	59.3	60.1	61.0	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 8000	62.8	63.6	64.7	65.2	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	63.5	64.3	65.4	65.9	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3000	67.7	68.4	69.5	70.1	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 7000	70.1	70.9	72.0	72.6	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000	71.0	72.2	73.3	73.9	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	74.8	76.1	77.2	77.8	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	78.9	80.3	81.4	82.1	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4000	83.3	84.8	86.0	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	86.2	87.9	89.1	90.4	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000	88.2	89.8	91.0	92.6	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500	89.5	91.3	92.5	94.0	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	91.5	93.3	94.5	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	91.5	93.3	94.6	96.2	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	92.5	94.5	96.0	97.5	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	92.9	95.2	96.7	98.4	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	93.1	95.5	97.0	98.8	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	93.1	95.6	97.2	98.9	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	93.2	95.7	97.3	99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-76

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0.25	≥ 0.5	≥ 0.75	≥ 1.0	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0	≥ 4.0	≥ 5.0	≥ 6.0	≥ 7.0	≥ 8.0	≥ 9.0	≥ 10.0
NO CEILING	40.7	42.3	43.5	45.1	45.3	45.8	46.1	46.3	46.4	46.4	46.5	46.5	46.5	46.6	46.6	46.6
≥ 10000	45.8	47.5	48.8	50.4	50.7	51.3	51.5	51.8	51.9	51.9	51.9	52.0	52.0	52.1	52.2	52.2
≥ 9000	45.9	47.6	48.9	50.6	50.8	51.4	51.6	51.9	52.0	52.0	52.1	52.1	52.1	52.2	52.3	52.3
≥ 8000	45.9	47.6	48.9	50.6	50.8	51.4	51.7	51.9	52.0	52.1	52.1	52.1	52.1	52.2	52.2	52.3
≥ 7000	46.0	47.7	49.0	50.6	50.9	51.5	51.7	52.0	52.1	52.1	52.1	52.2	52.2	52.3	52.4	52.4
≥ 6000	46.9	48.7	50.2	51.7	52.0	52.5	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.3	53.4	53.4
≥ 5000	49.2	51.1	52.4	54.1	54.5	55.1	55.4	55.7	55.8	55.8	55.9	55.9	56.0	56.0	56.1	56.1
≥ 4000	50.4	52.2	53.9	55.7	56.1	56.7	57.0	57.3	57.5	57.5	57.5	57.6	57.6	57.7	57.8	57.8
≥ 3000	53.8	56.0	57.6	59.6	59.9	60.7	61.0	61.3	61.5	61.5	61.5	61.6	61.6	61.7	61.8	61.8
≥ 2000	55.0	57.2	58.8	60.9	61.2	62.0	62.3	62.6	62.8	62.8	62.8	62.9	62.9	63.0	63.1	63.1
≥ 1500	56.0	58.3	60.0	62.1	62.4	63.2	63.5	63.8	64.0	64.0	64.0	64.1	64.2	64.2	64.3	64.3
≥ 1000	59.0	61.2	63.2	65.3	65.7	66.5	66.8	67.1	67.3	67.3	67.4	67.4	67.5	67.6	67.6	67.6
≥ 800	62.9	65.6	67.4	69.7	70.1	70.9	71.3	71.6	71.8	71.8	71.9	71.9	72.0	72.0	72.1	72.1
≥ 600	65.9	69.8	71.8	74.4	74.6	75.6	76.0	76.3	76.6	76.6	76.6	76.7	76.8	76.8	76.9	76.9
≥ 400	70.6	73.7	75.7	78.4	78.8	79.9	80.4	80.7	80.9	81.0	81.0	81.1	81.1	81.2	81.3	81.3
≥ 300	73.8	77.0	79.1	81.9	82.4	83.5	84.1	84.4	84.6	84.7	84.7	84.8	84.8	84.9	85.0	85.0
≥ 200	76.4	79.7	81.9	84.8	85.3	86.4	86.9	87.3	87.5	87.5	87.6	87.7	87.7	87.8	87.9	87.9
≥ 150	78.9	82.3	84.6	87.7	88.2	89.4	90.0	90.3	90.5	90.6	90.6	90.7	90.8	90.8	90.9	90.9
≥ 100	79.3	82.7	85.0	88.2	88.7	89.9	90.5	90.8	91.1	91.1	91.2	91.2	91.3	91.4	91.5	91.5
≥ 80	81.0	84.6	87.1	90.5	91.0	92.2	92.9	93.3	93.5	93.6	93.6	93.7	93.7	93.8	93.9	93.9
≥ 60	82.1	85.8	88.4	92.0	92.5	93.8	94.5	94.9	95.1	95.2	95.2	95.3	95.4	95.4	95.5	95.5
≥ 40	82.6	86.4	89.2	92.8	93.4	94.8	95.5	95.9	96.2	96.2	96.3	96.3	96.4	96.5	96.6	96.6
≥ 30	82.8	86.7	89.5	93.2	93.7	95.2	95.9	96.3	96.5	96.6	96.7	96.7	96.8	96.8	97.0	97.0
≥ 20	83.2	87.2	90.0	93.8	94.4	95.8	96.6	97.0	97.3	97.3	97.4	97.4	97.5	97.6	97.7	97.7
≥ 15	83.3	87.4	90.3	94.1	94.7	96.2	97.0	97.4	97.7	97.8	97.8	97.9	97.9	98.0	98.1	98.1
≥ 10	83.4	87.5	90.4	94.2	94.9	96.5	97.3	97.8	98.1	98.2	98.2	98.3	98.4	98.4	98.5	98.5
≥ 8	83.5	87.6	90.6	94.7	95.4	97.1	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.3	99.3
≥ 6	83.5	87.6	90.6	94.8	95.4	97.2	98.2	98.7	99.0	99.1	99.2	99.3	99.3	99.4	99.5	99.5
≥ 4	83.6	87.6	90.7	94.8	95.5	97.3	98.3	98.9	99.2	99.3	99.3	99.5	99.6	99.6	99.8	99.8
≥ 3	83.6	87.6	90.7	94.8	95.5	97.3	98.3	99.0	99.3	99.4	99.4	99.6	99.7	99.8	100.0	100.0
≥ 2	83.6	87.6	90.7	94.8	95.5	97.3	98.3	99.0	99.3	99.4	99.4	99.6	99.7	99.8	100.0	100.0
≥ 1	83.6	87.6	90.7	94.8	95.5	97.3	98.3	99.0	99.3	99.4	99.4	99.6	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7356

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

09-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-6200

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
20000	57.8	59.8	60.2	61.8	61.8	62.8	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.9		
18000	61.7	63.6	64.2	66.0	66.0	67.0	67.7	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.2		
16000	61.7	63.6	64.2	66.0	66.0	67.0	67.7	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.2		
14000	61.8	63.7	64.3	66.2	66.2	67.1	67.8	67.9	68.0	68.0	68.0	68.0	68.1	68.1	68.3		
12000	61.8	63.7	64.3	66.2	66.2	67.1	67.8	67.9	68.0	68.0	68.0	68.0	68.1	68.1	68.3		
10000	64.2	66.3	66.8	68.7	68.7	69.9	70.5	70.6	70.8	70.8	70.8	70.8	70.9	70.9	71.1		
9000	65.5	67.6	68.2	70.2	70.2	71.4	72.1	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.6		
8000	68.7	70.9	71.6	74.4	74.4	75.6	76.3	76.5	76.6	76.6	76.6	76.6	76.7	76.7	76.9		
7000	69.7	71.9	72.6	75.4	75.4	76.7	77.4	77.5	77.7	77.7	77.7	77.7	77.8	77.8	78.0		
6000	69.9	72.1	72.8	75.6	75.6	76.9	77.7	77.8	77.9	77.9	77.9	77.9	78.0	78.0	78.2		
5000	72.7	74.9	75.7	78.5	78.5	79.8	80.6	80.7	80.8	80.8	80.8	80.8	80.9	80.9	81.2		
4500	75.1	77.3	78.2	81.1	81.1	82.4	83.1	83.2	83.4	83.4	83.4	83.4	83.5	83.5	83.7		
4000	77.2	79.4	80.3	83.2	83.2	84.8	85.5	85.7	85.8	85.8	85.8	85.8	85.9	85.9	86.1		
3500	79.2	81.6	82.5	85.4	85.7	87.2	88.0	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.5		
3000	80.8	83.4	84.3	87.3	87.5	89.0	89.8	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.4		
2500	80.9	83.5	84.7	87.8	88.1	89.6	90.4	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.9		
2000	81.2	83.7	85.0	88.4	88.6	90.3	91.0	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.6		
1800	81.4	83.9	85.2	88.6	88.8	90.5	91.2	91.3	91.5	91.5	91.5	91.5	91.6	91.6	91.9		
1600	82.4	84.9	86.2	89.7	89.9	91.6	92.3	92.6	92.8	92.8	92.8	92.8	92.9	92.9	93.1		
1400	83.6	86.2	87.6	91.1	91.3	93.0	93.8	94.0	94.2	94.2	94.2	94.2	94.3	94.3	94.5		
1200	83.9	86.5	88.1	91.9	92.1	93.8	94.6	94.9	95.1	95.1	95.1	95.1	95.2	95.2	95.4		
1000	83.9	86.5	88.1	92.0	92.2	93.9	94.7	95.0	95.2	95.2	95.2	95.2	95.3	95.3	95.5		
900	84.0	86.6	88.2	92.1	92.3	94.3	95.3	95.6	95.8	95.8	95.8	95.8	95.9	95.9	96.2		
800	84.0	86.7	88.3	92.7	92.9	94.9	95.9	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.8		
700	84.2	87.0	88.5	92.9	93.1	95.2	96.5	96.8	97.0	97.0	97.0	97.0	97.2	97.2	97.4		
600	84.2	87.0	88.6	93.4	93.6	96.2	97.8	98.2	98.6	98.6	98.6	98.6	98.7	98.7	98.9		
500	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.7	98.7	98.7	98.7	98.8	98.8	99.0		
400	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.7	98.7	98.7	98.7	98.8	98.8	99.0		
300	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.7	98.7	98.7	98.7	98.8	98.8	99.0		
200	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.7	98.7	98.7	98.7	98.8	98.8	99.0		
100	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.7	98.7	98.7	98.7	98.8	98.8	99.0		
0	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.7	98.7	98.7	98.7	98.8	98.8	99.0		

TOTAL NUMBER OF OBSERVATIONS 913

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34042

BITBURG AB GERMANY

69-7-

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
NO. 1000	44.9	48.1	49.7	52.4	53.2	55.0	56.2	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9
2 2000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8
2 4000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8
2 6000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8
2 8000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8
2 10000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8
2 12000	49.6	53.2	54.9	58.4	59.2	61.1	62.3	62.7	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0
2 14000	51.2	54.9	56.7	60.5	61.3	63.1	64.3	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
2 16000	55.1	59.1	60.9	65.9	66.6	68.5	69.7	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9
2 18000	55.7	59.6	61.5	66.5	67.3	69.1	70.4	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6
2 20000	56.5	60.4	62.3	67.4	68.2	70.0	71.2	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
2 22000	58.1	62.1	64.0	69.3	70.0	72.0	73.3	74.0	74.4	74.5	74.5	74.5	74.5	74.5	74.7	74.8
2 24000	61.1	65.2	67.2	72.5	73.4	75.5	76.9	77.6	78.0	78.1	78.1	78.2	78.2	78.2	78.3	78.4
2 26000	62.4	66.7	69.0	74.9	75.8	77.9	79.3	80.0	80.4	80.5	80.5	80.6	80.6	80.6	80.7	80.9
2 28000	64.2	68.7	71.0	77.0	77.9	80.0	81.4	82.1	82.5	82.5	82.6	82.7	82.7	82.7	82.8	83.0
2 30000	67.1	71.8	74.1	80.1	81.0	83.0	84.5	85.1	85.7	85.8	85.8	85.9	85.9	85.9	86.0	86.2
2 32000	67.5	72.3	74.7	80.9	81.7	83.9	85.3	86.0	86.5	86.7	86.7	86.8	86.8	86.8	86.9	87.1
2 34000	67.6	72.4	75.1	81.3	82.3	84.6	86.0	86.8	87.3	87.4	87.4	87.5	87.5	87.5	87.6	87.9
2 36000	67.6	72.4	75.1	81.3	82.3	84.6	86.0	86.8	87.3	87.4	87.4	87.5	87.5	87.5	87.6	87.9
2 38000	68.6	73.4	76.1	82.7	83.7	86.0	87.4	88.2	88.7	88.8	88.8	88.9	88.9	88.9	89.1	89.3
2 40000	70.2	75.2	78.2	85.3	86.3	88.6	90.0	90.8	91.4	91.5	91.5	91.6	91.6	91.6	91.7	91.9
2 42000	70.6	75.6	78.7	85.9	86.9	89.4	90.9	91.7	92.3	92.5	92.5	92.6	92.6	92.6	92.7	92.9
2 44000	70.9	76.0	79.1	86.4	87.4	89.9	91.5	92.2	92.9	93.0	93.0	93.1	93.1	93.1	93.2	93.4
2 46000	71.3	76.5	79.6	87.1	88.2	90.9	92.8	93.5	94.2	94.3	94.3	94.4	94.4	94.4	94.5	94.7
2 48000	71.4	76.6	79.8	87.4	88.5	91.2	93.1	94.0	94.6	94.7	94.9	95.1	95.1	95.1	95.2	95.4
2 50000	71.4	76.6	79.8	87.7	88.9	92.0	94.1	95.0	95.6	95.7	95.8	96.1	96.1	96.1	96.2	96.4
2 52000	71.6	76.7	79.9	88.0	89.2	92.6	94.7	95.7	96.4	96.5	96.6	96.8	96.8	96.8	96.9	97.2
2 54000	71.6	76.7	79.9	88.2	89.5	93.0	95.5	96.7	97.4	97.5	97.6	97.8	97.8	97.8	97.9	98.1
2 56000	71.6	76.8	80.0	88.4	89.7	93.3	95.8	97.0	97.9	98.0	98.1	98.4	98.4	98.4	98.5	98.7
2 58000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.3	98.1	98.2	98.4	98.6	98.6	98.6	98.7	98.9
2 60000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 62000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 64000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 66000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 68000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 70000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 72000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 74000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 76000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 78000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 80000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 82000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 84000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 86000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 88000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 90000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 92000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 94000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 96000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 98000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0
2 100000	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.7	98.7	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS 914

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

9-75

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
2000	28.2	32.7	35.1	40.0	41.4	44.4	45.6	46.8	47.3	47.7	47.7	47.9	48.0	48.4	49.0		
2500	37.2	34.1	36.7	43.0	43.7	46.8	46.0	49.2	49.8	50.3	50.3	50.5	50.7	51.1	51.8		
3000	37.2	34.1	36.7	43.0	43.7	46.8	46.0	49.2	49.8	50.3	50.3	50.5	50.7	51.1	51.8		
3500	37.3	34.2	36.8	43.1	43.8	46.9	48.1	49.3	49.9	50.4	50.4	50.6	50.8	51.3	51.7		
4000	38.3	34.3	36.9	43.2	43.9	47.0	48.2	49.4	50.1	50.5	50.5	50.7	50.9	51.4	52.0		
4500	38.5	34.6	37.5	43.9	44.7	47.9	49.1	50.3	51.0	51.5	51.5	51.7	51.9	52.3	53.0		
5000	31.5	36.0	38.9	45.6	46.3	49.7	50.9	52.2	53.0	53.4	53.4	53.7	53.9	54.3	55.0		
5500	37.7	37.2	40.1	46.9	48.0	51.8	53.0	54.3	55.1	55.5	55.5	55.7	56.1	56.5	57.2		
6000	34.9	39.6	42.8	50.2	51.5	55.6	56.8	58.1	59.0	59.5	59.5	59.9	60.2	60.7	61.3		
6500	35.7	40.5	43.8	51.4	52.8	57.0	58.4	59.7	60.5	61.0	61.0	61.4	61.9	62.3	63.0		
7000	36.3	41.1	44.4	51.9	53.4	57.7	59.1	60.4	61.3	61.7	61.7	62.2	62.6	63.1	63.7		
7500	37.7	42.8	46.1	54.5	56.1	61.7	62.1	63.4	64.3	64.7	64.7	65.1	65.6	66.0	66.7		
8000	39.0	44.2	47.5	56.1	57.8	63.3	64.7	66.0	66.9	67.3	67.3	67.8	68.2	68.6	69.3		
8500	40.9	46.1	49.5	58.5	60.7	66.4	68.0	69.3	70.2	70.6	70.6	71.0	71.5	71.9	72.6		
9000	42.7	48.2	51.6	60.9	63.1	69.2	70.8	72.1	73.0	73.4	73.4	73.9	74.3	74.8	75.4		
9500	44.5	50.1	53.4	63.1	65.4	71.6	73.2	74.5	75.4	75.8	75.8	76.3	76.7	77.2	77.8		
10000	45.6	51.4	55.1	65.2	67.5	74.0	75.7	77.2	78.0	78.5	78.5	78.9	79.3	79.8	80.4		
10500	46.9	52.9	56.8	67.2	69.6	75.2	77.9	79.3	80.3	80.8	80.8	81.2	81.6	82.2	82.8		
11000	47.3	53.3	57.5	67.9	70.3	76.9	78.8	80.2	81.3	81.7	81.7	82.2	82.6	83.2	83.8		
11500	49.1	55.1	59.3	69.9	72.5	79.6	81.5	83.0	84.0	84.6	84.6	85.0	85.5	86.0	86.7		
12000	51.4	57.5	61.7	72.7	75.2	82.6	84.8	86.2	87.3	87.9	87.9	88.3	88.7	89.3	89.9		
12500	52.3	58.7	63.5	74.9	77.4	84.8	87.1	88.6	89.7	90.4	90.4	90.8	91.3	91.8	92.5		
13000	52.6	58.9	63.7	75.3	77.8	85.2	87.7	89.2	90.3	90.9	90.9	91.4	91.8	92.3	93.0		
13500	52.9	59.3	64.3	76.3	78.8	86.2	88.6	90.3	91.4	92.0	92.0	92.5	92.9	93.6	94.2		
14000	53.0	59.6	64.5	76.7	79.2	86.9	89.3	91.1	92.2	92.9	92.9	93.3	93.8	94.4	95.1		
14500	53.2	59.8	64.7	76.9	79.5	87.2	89.7	91.6	92.7	93.3	93.3	93.8	94.2	94.9	95.5		
15000	53.3	60.0	65.0	77.5	80.2	88.4	91.0	93.0	94.5	95.2	95.3	95.7	96.2	96.8	97.5		
15500	53.6	60.2	65.2	77.9	80.7	89.0	91.9	93.9	95.4	96.1	96.2	96.6	97.0	97.7	98.4		
16000	53.6	60.2	65.2	78.0	80.8	89.1	92.0	94.2	95.7	96.5	96.6	97.2	97.7	98.4	99.0		
16500	53.6	60.2	65.2	78.0	80.8	89.1	92.0	94.2	95.7	96.5	96.7	97.4	97.9	98.9	99.6		
17000	53.6	60.2	65.2	78.0	80.8	89.1	92.0	94.2	95.7	96.5	96.7	97.5	98.0	99.0	100.0		
17500	53.6	60.2	65.2	78.0	80.8	89.1	92.0	94.2	95.7	96.5	96.7	97.5	98.0	99.0	100.0		

TOTAL NUMBER OF OBSERVATIONS 915

CEILING VERSUS VISIBILITY

9-73

Al-

0900-1100

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

34040 BITEBURG AB GERMANY

19-73

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

1	34.7	37.4	38.7	39.0	39.1	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
2	44.7	45.7	47.2	48.1	48.2	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
3	45.7	45.8	47.3	48.2	48.3	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
4	45.8	45.8	47.3	48.2	48.3	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
5	45.7	45.8	47.3	48.2	48.3	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
6	46.7	47.3	49.3	50.2	50.3	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
7	49.4	50.3	51.8	52.9	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
8	51.7	51.9	53.4	54.5	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
9	53.9	54.8	56.4	57.7	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
10	54.5	55.5	57.2	58.5	58.6	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
11	55.3	56.3	57.9	59.2	59.3	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
12	55.5	59.5	61.3	62.8	62.7	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
13	62.3	63.3	65.2	67.0	67.1	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
14	65.5	66.7	68.6	70.6	70.7	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
15	69.9	71.1	73.1	75.1	75.2	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
16	77.2	78.6	80.7	82.7	82.8	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
17	81.5	83.0	85.4	87.7	87.8	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
18	85.4	86.9	89.3	91.8	91.9	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
19	86.6	88.1	90.5	93.1	93.2	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
20	88.6	90.2	92.8	95.7	95.8	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
21	89.4	90.9	93.8	96.8	96.9	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
22	89.7	91.3	94.1	97.3	97.4	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
23	90.1	91.6	94.5	97.7	97.8	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
24	90.5	92.0	95.0	98.3	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
25	90.6	92.1	95.1	98.4	98.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
26	90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
27	90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
28	90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
29	90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30	90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
31	90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
32	90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	37.4	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 2000	46.6	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 1800	46.8	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 1600	46.8	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 1400	47.0	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1200	48.2	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 1000	51.4	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 800	53.3	53.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 600	59.2	59.9	60.4	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 400	60.1	60.8	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 200	60.8	61.5	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 100	61.9	65.7	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 50	70.6	71.6	72.2	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20	76.1	77.0	77.8	78.5	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 10	81.6	82.7	83.6	84.5	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 5	87.7	88.9	90.2	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2	89.5	90.9	92.5	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1	91.9	93.4	95.2	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0.5	92.0	93.6	95.5	96.6	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 0.2	92.8	94.3	96.4	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.1	92.1	94.4	96.5	97.6	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0.05	93.1	94.6	96.7	97.9	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0.02	93.2	94.8	96.8	98.0	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0.01	93.6	95.1	97.2	98.4	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0.005	93.9	95.4	97.5	98.7	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0.002	93.9	95.4	97.5	98.8	98.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0.001	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.0005	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.0002	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.0001	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.00005	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.00002	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.00001	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

69-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTES															
	≥ 0	≥ 0	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000	47.0	47.2	48.1	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 18000	56.2	56.5	57.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	56.2	56.5	57.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 14000	56.2	56.5	57.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	57.5	57.8	58.8	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	61.1	61.6	62.9	64.2	64.2	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	63.1	63.8	65.2	66.5	66.5	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	68.5	69.3	70.8	72.2	72.2	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	69.4	70.3	71.8	73.2	73.2	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	70.3	71.1	72.7	74.1	74.1	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000	74.3	75.2	76.8	78.5	78.5	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500	78.9	80.0	81.7	83.4	83.4	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	82.5	83.6	85.3	87.0	87.0	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	84.6	85.8	87.6	89.4	89.5	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	86.8	88.1	90.0	91.8	91.9	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	87.9	89.4	91.4	93.3	93.4	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	89.5	90.9	93.1	95.3	95.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	89.8	91.2	93.4	95.6	95.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	90.2	91.8	94.2	96.6	96.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	90.3	92.0	94.4	96.8	97.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	90.7	92.3	94.7	97.1	97.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	90.7	92.3	94.7	97.1	97.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	90.7	92.3	94.8	97.3	97.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	90.7	92.3	94.8	97.3	97.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	90.7	92.3	94.8	97.3	97.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	90.7	92.3	94.8	97.3	97.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	90.7	92.3	94.8	97.3	97.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	90.7	92.3	94.8	97.3	97.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	90.7	92.3	94.8	97.3	97.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	90.7	92.3	94.8	97.3	97.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	90.7	92.3	94.8	97.3	97.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

34049

BITBURG AB GERMANY

59-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 0
NO CEILING	42.9	44.6	45.8	47.9	48.2	49.0	49.4	49.7	49.8	49.8	49.8	49.9	49.9	50.0	50.1
≥ 20000	48.6	50.3	51.8	54.3	54.6	55.4	55.9	56.2	56.3	56.4	56.4	56.4	56.5	56.5	56.7
≥ 18000	48.6	50.4	51.8	54.4	54.7	55.5	55.9	56.2	56.4	56.4	56.4	56.5	56.5	56.6	56.7
≥ 16000	48.6	50.4	51.8	54.4	54.7	55.5	56.0	56.3	56.4	56.5	56.5	56.5	56.5	56.6	56.8
≥ 14000	48.7	50.4	51.9	54.4	54.7	55.5	56.0	56.3	56.5	56.5	56.5	56.5	56.5	56.6	56.8
≥ 12000	49.4	51.2	52.7	55.3	55.6	56.4	56.9	57.2	57.4	57.4	57.4	57.5	57.5	57.6	57.7
≥ 10000	51.9	53.9	55.5	58.2	58.5	59.4	59.9	60.2	60.4	60.4	60.4	60.5	60.5	60.6	60.7
≥ 9000	53.5	55.6	57.2	60.1	60.4	61.4	61.9	62.2	62.4	62.4	62.4	62.5	62.5	62.6	62.7
≥ 8000	57.2	59.5	61.3	64.5	64.9	66.0	66.5	66.9	67.1	67.1	67.1	67.2	67.3	67.3	67.4
≥ 7000	59.0	60.3	62.1	65.4	65.8	67.0	67.5	67.8	68.0	68.1	68.1	68.1	68.2	68.3	68.4
≥ 6000	58.5	60.8	62.7	66.0	66.5	67.6	68.1	68.5	68.7	68.7	68.7	68.8	68.9	68.9	69.1
≥ 5000	61.2	63.6	65.6	69.1	69.5	70.8	71.3	71.6	71.8	71.9	71.9	72.0	72.1	72.1	72.3
≥ 4500	64.4	66.9	68.9	72.6	73.1	74.5	75.1	75.4	75.6	75.7	75.7	75.8	75.9	75.9	76.1
≥ 4000	67.1	69.6	71.8	75.7	76.2	77.8	78.4	78.7	78.9	79.0	79.0	79.1	79.1	79.2	79.3
≥ 3500	69.9	72.5	74.7	78.8	79.3	81.0	81.6	81.9	82.1	82.2	82.2	82.3	82.3	82.4	82.6
≥ 3000	73.2	76.0	78.3	82.4	83.0	84.7	85.3	85.6	85.9	85.9	85.9	86.0	86.1	86.2	86.3
≥ 2500	74.7	77.6	80.1	84.4	85.0	86.8	87.4	87.8	88.0	88.1	88.1	88.1	88.2	88.3	88.4
≥ 2000	76.6	79.6	82.2	86.8	87.5	89.3	90.0	90.3	90.6	90.6	90.6	90.7	90.8	90.9	91.0
≥ 1800	77.0	80.0	82.7	87.3	88.0	89.9	90.5	90.9	91.2	91.2	91.2	91.3	91.4	91.5	91.6
≥ 1500	78.1	81.2	84.2	88.9	89.6	91.6	92.3	92.7	92.9	93.0	93.0	93.1	93.2	93.3	93.4
≥ 1200	79.2	82.4	85.5	90.4	91.1	93.1	93.9	94.3	94.5	94.6	94.6	94.7	94.8	94.9	95.0
≥ 1000	79.7	82.9	86.2	91.4	92.1	94.2	95.0	95.4	95.7	95.8	95.8	95.9	95.9	96.0	96.2
≥ 900	79.8	83.1	86.4	91.7	92.4	94.5	95.3	95.7	96.0	96.1	96.1	96.2	96.3	96.4	96.5
≥ 800	80.1	83.4	86.8	92.2	92.9	95.1	96.0	96.5	96.8	96.9	96.9	96.9	97.0	97.1	97.3
≥ 700	80.2	83.5	87.0	92.5	93.3	95.5	96.6	97.0	97.3	97.4	97.4	97.5	97.6	97.7	97.9
≥ 600	80.3	83.6	87.1	92.7	93.4	95.8	96.9	97.4	97.7	97.8	97.8	97.9	98.0	98.1	98.2
≥ 500	80.3	83.6	87.1	92.9	93.7	96.3	97.5	98.1	98.4	98.5	98.5	98.6	98.7	98.8	99.0
≥ 400	80.3	83.6	87.1	93.0	93.8	96.4	97.7	98.4	98.7	98.8	98.9	98.9	99.0	99.1	99.3
≥ 300	80.3	83.7	87.1	93.0	93.9	96.5	97.8	98.5	98.9	99.0	99.0	99.1	99.2	99.3	99.5
≥ 200	80.3	83.7	87.1	93.0	93.9	96.5	97.8	98.5	98.9	99.0	99.1	99.3	99.4	99.5	99.8
≥ 100	80.3	83.7	87.1	93.0	93.9	96.5	97.8	98.5	98.9	99.1	99.1	99.3	99.5	99.6	99.9
≥ 0	80.3	83.7	87.1	93.0	93.9	96.5	97.9	98.5	99.0	99.1	99.1	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7307

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

59-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	47.6	49.7	50.7	53.3	54.6	57.4	58.5	59.1	59.4	59.7	59.7	59.9	60.0	60.1	60.8	
≥ 2000	50.5	53.0	54.0	57.0	58.3	61.2	62.3	62.9	63.2	63.3	63.5	63.7	63.8	64.0	64.7	
≥ 1800	50.5	53.0	54.0	57.0	58.3	61.2	62.3	62.9	63.2	63.5	63.5	63.7	63.8	64.0	64.7	
≥ 1600	50.5	53.0	54.0	57.0	58.3	61.2	62.3	62.9	63.2	63.5	63.5	63.7	63.8	64.0	64.7	
≥ 1400	50.6	53.1	54.1	57.1	58.4	61.3	62.5	63.0	63.4	63.6	63.6	63.8	63.9	64.1	64.8	
≥ 1200	50.8	53.3	54.3	57.3	58.7	61.6	62.7	63.2	63.6	63.8	63.8	64.0	64.1	64.4	65.0	
≥ 1000	52.4	55.1	56.1	59.3	60.7	63.6	64.7	65.3	65.6	65.8	65.8	66.0	66.1	66.4	67.0	
≥ 900	53.1	55.8	57.0	60.2	61.6	64.5	65.6	66.1	66.5	66.7	66.7	66.9	67.0	67.3	67.9	
≥ 800	55.9	58.5	59.9	63.6	64.9	67.9	69.1	69.9	70.3	70.5	70.5	70.7	70.8	71.1	71.7	
≥ 700	56.5	59.2	60.6	64.2	65.5	68.6	69.7	70.6	70.9	71.2	71.2	71.4	71.5	71.7	72.4	
≥ 600	56.6	59.3	60.7	64.4	65.7	68.7	69.8	70.7	71.1	71.3	71.3	71.5	71.6	71.8	72.5	
≥ 500	59.1	62.2	63.8	67.8	69.2	72.2	73.3	74.2	74.5	74.7	74.7	75.0	75.1	75.3	76.0	
≥ 4500	61.3	64.5	66.0	70.3	71.6	75.0	76.1	77.0	77.3	77.5	77.5	77.8	78.0	78.2	78.9	
≥ 4000	63.9	67.0	68.6	73.2	74.5	78.0	79.1	80.0	80.3	80.6	80.6	80.8	81.0	81.2	81.9	
≥ 3500	65.4	68.5	70.1	74.7	76.1	79.6	80.7	81.6	81.9	82.1	82.1	82.3	82.6	82.8	83.5	
≥ 3000	66.9	70.1	71.6	76.4	77.8	81.5	82.7	83.6	83.9	84.1	84.1	84.4	84.6	84.8	85.5	
≥ 2500	67.6	70.7	72.3	77.1	78.4	82.2	83.5	84.4	84.7	84.9	84.9	85.1	85.4	85.6	86.3	
≥ 2000	69.3	72.5	74.2	79.1	80.4	84.5	85.7	86.6	86.9	87.2	87.2	87.4	87.6	88.0	88.7	
≥ 1800	69.7	73.0	74.6	79.7	81.0	85.0	86.3	87.2	87.5	87.7	87.7	87.9	88.2	88.6	89.3	
≥ 1600	71.2	74.5	76.2	81.2	82.6	86.7	88.0	88.9	89.3	89.5	89.5	89.7	89.9	90.4	91.1	
≥ 1400	72.4	75.8	77.4	82.8	84.1	88.4	89.7	90.6	90.9	91.2	91.2	91.4	91.6	92.1	92.7	
≥ 1200	73.1	76.8	78.5	83.9	85.3	89.6	91.2	92.1	92.4	92.6	92.6	92.8	93.1	93.5	94.2	
≥ 1000	73.1	76.9	78.7	84.0	85.4	89.9	91.5	92.5	92.8	93.1	93.1	93.3	93.5	94.0	94.6	
≥ 900	73.6	77.5	79.3	84.8	86.1	90.7	92.3	93.3	93.6	93.9	93.9	94.1	94.3	94.7	95.4	
≥ 800	74.3	78.2	80.0	85.6	86.9	91.7	93.3	94.3	94.6	94.9	94.9	95.1	95.3	95.8	96.4	
≥ 700	74.7	79.0	80.8	86.5	87.8	92.6	94.2	95.2	95.5	95.8	95.8	96.0	96.2	96.6	97.3	
≥ 600	74.9	79.3	81.1	86.8	88.2	93.2	94.7	95.9	96.2	96.4	96.4	96.6	96.9	97.3	98.0	
≥ 500	75.0	79.4	81.2	87.0	88.4	93.4	95.0	96.2	96.5	96.8	96.8	97.1	97.3	97.8	98.4	
≥ 400	75.0	79.4	81.2	87.0	88.5	93.6	95.2	96.4	96.8	97.0	97.0	97.4	97.7	98.1	98.8	
≥ 300	75.1	79.6	81.3	87.2	88.6	93.7	95.3	96.6	97.0	97.2	97.2	97.7	97.9	98.4	99.2	
≥ 200	75.1	79.6	81.3	87.2	88.6	93.7	95.3	96.6	97.1	97.3	97.3	97.8	98.1	98.8	99.8	
≥ 100	75.1	79.6	81.3	87.2	88.6	93.7	95.3	96.8	97.3	97.5	97.5	98.0	98.3	99.0	100.0	
≥ 0	75.1	79.6	81.3	87.2	88.6	93.7	95.3	96.8	97.3	97.5	97.5	98.0	98.3	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 295

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34047 BITBURG AB GERMANY

09-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	36.8	40.0	41.5	44.6	45.1	46.0	49.4	50.4	51.2	51.5	51.7	52.0	52.4	52.7	53.9	
≥ 20000	38.5	42.1	43.7	47.4	47.9	51.8	52.2	53.2	54.0	54.3	54.5	54.7	55.2	55.5	56.9	
≥ 18000	38.5	42.1	43.7	47.4	47.9	51.8	52.2	53.2	54.0	54.3	54.5	54.7	55.2	55.5	56.9	
≥ 16000	38.5	42.1	43.7	47.4	47.9	51.8	52.2	53.2	54.0	54.3	54.5	54.7	55.2	55.5	56.9	
≥ 14000	38.7	42.2	43.8	47.5	48.0	51.9	52.3	53.3	54.1	54.4	54.5	54.9	55.3	55.6	57.0	
≥ 12000	38.9	42.5	44.0	47.7	48.3	51.2	52.5	53.5	54.3	54.6	54.9	55.1	55.5	55.9	57.2	
≥ 10000	39.6	43.1	44.8	48.6	49.2	52.1	53.5	54.5	55.3	55.6	55.9	56.1	56.5	56.9	58.2	
≥ 9500	39.9	43.5	45.5	49.3	49.8	52.7	54.2	55.2	56.0	56.3	56.5	56.8	57.2	57.5	58.9	
≥ 8000	41.9	45.8	48.0	52.0	52.5	55.5	57.0	58.3	59.1	59.4	59.7	59.9	60.4	60.8	62.1	
≥ 7000	42.5	46.5	48.7	53.0	53.5	56.5	58.0	59.3	60.1	60.4	60.7	60.9	61.5	61.8	63.1	
≥ 6000	42.8	46.8	49.1	53.3	53.9	56.9	58.3	59.7	60.4	60.8	61.0	61.2	61.8	62.1	63.5	
≥ 5000	44.8	48.6	51.3	56.2	56.8	59.9	61.3	62.7	63.5	63.8	64.1	64.4	64.9	65.3	66.6	
≥ 4500	45.9	49.9	52.6	57.7	58.3	61.5	62.9	64.2	65.0	65.4	65.7	65.9	66.5	66.8	68.2	
≥ 4000	48.6	52.8	55.6	60.9	61.6	64.8	66.3	67.6	68.4	68.7	69.1	69.3	69.8	70.2	71.5	
≥ 3500	50.4	54.6	57.4	63.1	63.9	67.3	68.8	70.2	70.9	71.3	71.7	72.0	72.5	72.8	74.2	
≥ 3000	52.0	56.2	59.2	65.0	65.8	69.2	70.8	72.2	73.0	73.3	73.7	74.0	74.5	74.9	76.2	
≥ 2500	53.6	57.9	60.9	66.7	67.5	70.9	72.8	74.2	75.0	75.3	75.8	76.0	76.5	76.9	78.2	
≥ 2000	55.2	59.4	62.5	68.4	69.2	72.6	74.7	76.1	76.9	77.2	77.7	78.0	78.5	79.0	80.3	
≥ 1800	56.2	60.4	63.5	69.7	70.6	74.1	76.3	77.7	78.5	78.9	79.3	79.7	80.2	80.7	82.0	
≥ 1500	57.3	61.8	64.9	71.4	72.3	75.8	78.2	79.7	80.7	80.9	81.3	81.7	82.2	82.7	84.0	
≥ 1200	59.3	63.8	67.2	74.1	75.0	78.4	81.1	82.7	83.6	83.9	84.4	84.7	85.3	85.7	87.0	
≥ 1000	60.1	64.7	68.3	75.4	76.3	79.9	82.8	84.4	85.4	85.7	86.1	86.5	87.0	87.5	88.8	
≥ 900	60.2	64.8	68.5	75.6	76.5	80.2	83.4	84.9	85.9	86.3	86.7	87.0	87.6	88.0	89.4	
≥ 800	61.3	66.0	69.9	77.2	78.1	82.0	85.1	86.7	87.7	88.0	88.5	88.8	89.4	89.8	91.2	
≥ 700	62.0	66.8	70.9	78.3	79.2	83.4	86.5	88.3	89.4	89.7	90.2	90.5	91.1	91.5	92.8	
≥ 600	62.6	67.6	71.7	79.2	80.1	84.6	87.7	89.5	90.6	90.9	91.4	91.7	92.3	92.7	94.1	
≥ 500	62.8	67.9	72.1	79.7	80.6	85.0	88.3	90.1	91.2	91.5	92.0	92.4	93.0	93.4	94.9	
≥ 400	62.9	68.0	72.2	80.1	81.0	85.6	88.8	90.9	92.1	92.4	92.8	93.3	93.9	94.3	95.8	
≥ 300	62.9	68.0	72.2	80.4	81.3	85.9	89.2	91.3	92.5	93.0	93.4	93.9	94.4	94.9	96.3	
≥ 200	63.0	68.2	72.3	80.6	81.5	86.1	89.4	91.5	92.7	93.2	93.7	94.4	95.0	95.6	97.2	
≥ 100	63.0	68.2	72.3	80.6	81.5	86.1	89.4	91.5	92.7	93.2	93.7	94.6	95.3	96.4	99.1	
≥ 0	63.0	68.2	72.3	80.6	81.5	86.1	89.4	91.5	93.0	93.6	94.2	95.1	95.8	97.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AM GERMANY

09-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
≥ 20000	20.4	22.7	24.7	31.1	32.7	35.1	36.6	37.7	39.5	39.6	39.8	40.2	40.7	41.4	43.0	
≥ 18000	21.8	24.3	26.4	33.0	34.6	37.7	39.3	40.5	42.3	42.5	42.7	43.2	43.7	44.4	46.9	
≥ 16000	21.8	24.3	26.4	33.0	34.6	37.7	39.3	40.5	42.3	42.5	42.7	43.2	43.7	44.4	46.9	
≥ 14000	21.8	24.3	26.4	33.1	34.7	37.8	39.4	40.6	42.4	42.6	42.8	43.3	43.8	44.5	47.0	
≥ 12000	21.5	24.4	26.5	33.2	34.8	37.9	39.5	40.7	42.5	42.7	43.0	43.4	44.0	44.6	47.1	
≥ 10000	23.0	25.6	28.0	34.8	36.4	39.7	41.3	42.5	44.3	44.5	44.7	45.2	46.0	46.6	49.1	
≥ 9000	23.6	26.5	28.9	36.0	37.7	41.2	42.7	44.0	45.7	46.0	46.2	46.6	47.4	48.1	50.6	
≥ 8000	24.4	27.4	30.3	38.0	39.8	43.5	45.4	46.6	48.5	48.8	49.0	49.6	50.3	51.1	53.7	
≥ 7000	25.3	28.4	31.3	39.4	41.2	44.9	46.8	48.1	50.0	50.2	50.4	51.0	51.8	52.6	55.1	
≥ 6000	25.6	28.7	31.7	39.7	41.6	45.4	47.3	48.7	50.6	50.8	51.0	51.6	52.3	53.1	55.7	
≥ 5000	26.4	29.9	33.2	41.5	43.8	48.0	50.0	51.3	53.2	53.5	53.7	54.3	55.1	55.9	58.6	
≥ 4500	27.4	31.2	34.8	44.2	46.2	50.5	52.6	53.9	56.0	56.3	56.5	57.0	57.9	58.7	61.4	
≥ 4000	29.1	33.4	37.2	46.9	49.0	53.9	56.0	57.4	59.6	59.8	60.1	60.6	61.5	62.4	65.2	
≥ 3500	29.9	34.2	38.6	48.2	50.3	55.5	57.9	59.4	61.6	62.0	62.3	62.9	63.8	64.7	67.4	
≥ 3000	31.5	35.9	40.3	50.0	52.2	57.4	59.8	61.4	63.9	64.3	64.7	65.2	66.1	67.0	69.8	
≥ 2500	33.3	37.8	42.2	52.0	54.3	59.5	62.1	63.8	66.2	66.7	67.0	67.6	68.5	69.4	72.1	
≥ 2000	34.8	39.4	43.7	54.0	56.4	61.6	64.8	66.7	69.2	69.7	70.1	70.7	71.6	72.5	75.3	
≥ 1800	35.2	39.8	44.2	54.5	56.8	62.3	65.7	67.7	70.2	70.7	71.1	71.7	72.6	73.5	76.3	
≥ 1600	37.8	42.4	47.1	58.1	60.5	66.8	70.1	72.1	74.7	75.2	75.6	76.2	77.1	78.0	80.8	
≥ 1400	39.4	44.1	48.9	60.4	62.9	69.7	73.5	75.6	78.4	78.9	79.3	79.9	80.8	81.7	84.5	
≥ 1200	40.3	45.0	50.1	62.1	64.7	71.5	75.4	77.5	80.4	80.9	81.3	81.9	82.8	83.7	86.5	
≥ 1000	41.7	45.5	50.9	63.0	65.5	72.4	76.4	78.5	81.5	82.0	82.4	83.0	83.9	84.8	87.6	
≥ 900	41.4	46.2	51.7	64.1	66.7	73.7	77.9	80.1	83.1	83.6	84.0	84.6	85.5	86.4	89.1	
≥ 800	41.5	46.6	52.2	64.8	67.4	74.7	79.1	81.4	84.6	85.0	85.5	86.1	87.0	87.9	90.7	
≥ 700	41.6	46.9	52.7	65.5	68.2	75.6	80.1	82.4	85.6	86.0	86.5	87.1	88.0	88.9	91.7	
≥ 600	41.6	47.0	52.9	65.9	68.6	76.0	80.5	83.1	86.4	86.9	87.4	88.0	88.9	89.9	92.7	
≥ 500	41.8	47.2	53.2	66.2	68.9	76.4	81.2	83.8	87.1	87.7	88.1	89.0	89.9	90.9	93.7	
≥ 400	41.8	47.2	53.2	66.3	69.0	76.5	81.3	84.3	87.7	88.4	88.9	89.8	90.8	91.9	95.2	
≥ 300	41.8	47.2	53.2	66.3	69.0	76.5	81.3	84.5	87.8	88.6	89.1	90.3	91.5	93.2	98.0	
≥ 200	41.8	47.2	53.2	66.3	69.0	76.5	81.3	84.5	87.8	88.6	89.1	90.3	91.5	93.2	99.1	
≥ 100	41.8	47.2	53.4	66.4	69.1	76.6	81.4	84.6	87.9	88.7	89.3	90.4	91.8	93.6	100.0	
≥ 0	41.8	47.2	53.4	66.4	69.1	76.6	81.4	84.6	87.9	88.7	89.3	90.4	91.8	93.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

09-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATISTICAL VALUES															
	≥ 10	≥ 6	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024	≥ 0
NO CEILING ≥ 2000	24.2	26.1	28.7	34.6	35.2	37.1	37.5	36.6	38.8	38.8	38.8	39.1	39.2	39.5	39.7	
≥ 1800	26.1	28.3	31.5	38.1	38.7	41.0	41.6	42.7	43.0	43.0	43.1	43.3	43.4	43.9	44.6	
≥ 1600	26.2	28.5	31.6	38.3	39.0	41.2	41.9	43.0	43.2	43.2	43.3	43.5	43.6	44.1	44.9	
≥ 1400	26.2	28.5	31.6	38.3	39.0	41.2	41.9	43.0	43.2	43.2	43.3	43.5	43.6	44.1	44.9	
≥ 1200	26.8	29.0	32.1	39.0	39.6	42.0	42.7	43.9	44.1	44.1	44.2	44.4	44.5	45.0	45.8	
≥ 1000	27.7	30.4	33.7	40.6	41.3	43.8	44.5	45.6	45.9	45.9	46.0	46.3	46.8	47.5		
≥ 900	27.8	30.6	33.9	41.0	41.6	44.1	44.9	46.0	46.2	46.2	46.3	46.5	46.7	47.1	47.9	
≥ 800	30.2	33.1	36.9	44.4	45.1	47.5	48.3	49.4	49.8	49.8	49.9	50.1	50.2	50.7	51.5	
≥ 700	30.4	33.6	37.5	45.1	45.8	48.2	49.0	50.1	50.4	50.4	50.6	50.8	51.0	51.5	52.2	
≥ 600	30.8	34.0	37.9	45.9	46.5	49.0	49.8	50.9	51.2	51.2	51.3	51.6	51.8	52.2	53.0	
≥ 500	31.4	34.7	38.6	46.7	47.3	49.8	50.7	51.8	52.1	52.1	52.2	52.5	52.7	53.1	53.9	
≥ 450	32.1	35.6	40.1	48.7	49.3	52.3	53.2	54.5	54.9	54.9	55.0	55.2	55.5	55.9	56.8	
≥ 400	33.8	37.5	42.0	51.0	51.9	55.1	56.3	57.7	58.1	58.1	58.3	58.5	58.7	59.2	60.0	
≥ 350	35.3	39.2	44.1	53.2	54.1	57.7	58.9	60.4	60.8	60.8	60.9	61.2	61.4	61.8	62.7	
≥ 300	38.8	43.0	48.0	57.7	58.6	62.3	63.6	65.1	65.6	65.6	65.7	66.0	66.2	66.6	67.5	
≥ 250	40.7	45.1	50.3	60.0	60.9	64.6	66.1	67.5	68.1	68.1	68.2	68.4	68.6	69.1	70.0	
≥ 200	42.7	47.1	52.6	62.7	63.6	67.5	69.1	70.5	71.2	71.2	71.3	71.5	71.8	72.2	73.1	
≥ 1800	43.6	48.0	53.5	63.7	64.6	68.6	70.2	71.8	72.4	72.4	72.5	72.8	73.0	73.4	74.3	
≥ 1600	47.3	51.8	57.7	68.3	69.2	73.4	75.1	76.8	77.6	77.6	77.7	77.9	78.1	78.6	79.5	
≥ 1400	49.3	53.9	60.6	71.7	72.5	77.0	78.7	80.6	81.4	81.4	81.5	81.7	81.9	82.4	83.3	
≥ 1200	51.0	55.6	62.4	74.2	75.3	80.0	81.9	83.8	84.6	84.6	84.7	84.9	85.3	85.7	86.6	
≥ 1000	51.8	56.4	63.3	75.2	76.3	81.0	82.9	84.9	85.8	85.8	85.9	86.2	86.5	86.9	87.8	
≥ 900	52.5	57.1	64.5	76.3	77.9	82.8	84.9	86.9	87.8	87.8	87.9	88.2	88.5	89.0	89.8	
≥ 800	52.5	57.1	64.6	77.5	78.6	83.5	85.7	87.7	88.6	88.6	88.7	89.0	89.3	89.7	90.6	
≥ 700	52.7	57.5	65.0	77.9	79.2	84.6	86.9	89.1	90.0	90.0	90.1	90.3	90.6	91.1	92.0	
≥ 600	52.8	57.6	65.2	78.7	80.0	86.3	89.1	91.5	92.6	92.6	92.7	93.0	93.4	93.9	94.8	
≥ 500	52.8	57.6	65.2	78.8	80.2	86.5	89.4	92.2	93.3	93.5	93.6	94.1	94.5	95.0	95.9	
≥ 400	52.8	57.6	65.2	78.8	80.2	86.5	89.7	92.9	94.2	94.4	94.5	95.2	95.9	96.3	97.2	
≥ 300	52.8	57.6	65.2	78.9	80.4	86.6	89.8	93.1	94.8	95.0	95.3	96.0	96.8	97.4	98.8	
≥ 200	52.8	57.6	65.2	79.0	80.5	86.7	90.0	93.2	94.9	95.1	95.4	96.1	97.0	97.7	99.4	
≥ 100	52.8	57.6	65.2	79.0	80.5	86.7	90.0	93.2	95.0	95.2	95.5	96.2	97.1	97.9	100.0	
≥ 0	52.8	57.6	65.2	79.0	80.5	86.7	90.0	93.2	95.0	95.2	95.5	96.2	97.1	97.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

09-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES																		
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
NO CEILING	37.4	33.3	34.2	36.0	36.3	36.6	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2.000	37.5	38.6	39.7	41.8	42.1	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
2.500	37.5	38.7	39.8	41.9	42.3	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
3.000	37.5	38.7	39.8	41.9	42.3	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
3.500	37.5	38.7	39.8	41.9	42.3	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
4.000	38.1	39.5	40.7	42.8	43.1	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
4.500	40.1	41.5	42.8	44.9	45.3	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
5.000	41.1	42.5	43.8	45.9	46.3	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
5.500	44.5	46.0	47.4	49.7	50.3	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
6.000	46.2	47.7	49.1	51.4	52.0	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
6.500	46.5	48.2	49.5	52.0	52.5	53.0	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
7.000	48.0	49.7	51.3	53.7	54.3	54.7	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
7.500	50.5	52.2	53.7	56.3	56.9	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
8.000	54.6	56.4	58.1	61.2	61.9	62.3	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
8.500	59.0	61.1	62.9	66.2	66.9	67.6	68.0	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
9.000	66.6	68.7	70.5	73.9	74.6	75.3	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
9.500	69.9	72.0	73.8	77.4	78.3	78.9	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
10.000	73.9	76.1	78.0	82.3	83.2	84.1	84.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
10.500	75.0	77.3	79.3	83.5	84.4	85.3	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
11.000	77.7	80.3	82.5	87.3	88.3	89.2	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
11.500	79.8	82.5	84.9	90.3	91.3	92.2	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
12.000	80.6	83.5	86.2	92.0	93.1	94.2	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
12.500	80.8	83.7	86.4	92.3	93.4	94.5	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
13.000	81.3	84.4	87.3	93.4	94.5	95.8	96.2	96.4	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0
13.500	81.6	84.8	87.7	94.2	95.3	96.7	97.3	97.5	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1
14.000	81.6	84.9	87.8	94.8	96.0	97.4	98.2	98.4	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0
14.500	81.6	84.9	87.8	94.9	96.1	97.9	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
15.000	81.6	84.9	87.8	94.9	96.1	98.0	99.1	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
15.500	81.6	84.9	87.8	94.9	96.1	98.0	99.1	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
16.000	81.6	84.9	87.8	94.9	96.1	98.0	99.1	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3404~

ITBUC AB GERMANY

9-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
2 2500	36.1	36.3	36.7	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
2 2000	43.0	43.3	43.6	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 1500	43.0	43.3	43.6	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 1000	43.1	43.4	43.7	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2 800	43.5	43.7	44.0	44.6	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
2 600	44.7	45.0	45.4	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
2 400	47.6	47.9	48.3	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
2 300	48.7	49.1	49.4	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
2 200	53.5	54.1	54.6	55.5	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2 1500	54.7	55.3	55.9	56.9	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
2 1000	55.6	56.2	56.7	57.7	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
2 800	59.3	59.9	60.4	61.4	61.6	61.8	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
2 600	63.4	64.1	64.8	65.8	66.0	66.1	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
2 400	69.7	70.3	71.1	72.4	72.6	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2 300	75.3	76.1	76.9	78.1	78.4	78.5	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2 200	80.7	81.9	83.1	84.8	85.1	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2 1500	83.3	84.6	85.7	88.0	88.2	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2 1000	85.6	87.1	88.4	90.9	91.1	91.2	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2 800	86.7	88.2	89.6	92.1	92.3	92.4	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2 600	88.3	89.7	91.4	94.3	94.6	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2 400	90.2	91.6	93.8	96.7	97.0	97.3	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2 300	90.5	92.0	94.1	97.1	97.4	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2 200	90.6	92.1	94.2	97.2	97.7	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 1500	90.7	92.3	94.4	97.4	97.9	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2 1000	90.7	92.4	94.5	97.7	98.1	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2 800	90.7	92.4	94.5	97.7	98.1	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2 600	90.9	92.5	94.6	97.8	98.2	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 400	90.9	92.5	94.6	97.8	98.2	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 300	90.9	92.5	94.6	97.8	98.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 200	90.9	92.5	94.6	97.8	98.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1500	90.9	92.5	94.6	97.8	98.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1000	90.9	92.5	94.6	97.8	98.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0










TOTAL NUMBER OF OBSERVATIONS 897

2

Abstract

SFD

1600-2000

 Pencil
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USAF ETAC 3-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34040 BITBURG AB GERMANY

69-73

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2 1000	51.5	52.6	53.6	55.3	55.9	56.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
2 900	57.5	59.1	60.3	62.4	63.0	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2 800	57.5	59.1	60.3	62.4	63.0	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2 700	57.5	59.1	60.3	62.4	63.0	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2 600	57.5	59.1	60.3	62.7	63.2	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2 500	59.5	61.1	62.8	65.0	65.6	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2 400	60.5	62.1	63.8	66.0	66.6	68.0	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
2 300	63.2	64.8	66.8	69.2	69.8	71.2	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
2 200	63.9	65.4	67.4	70.0	70.6	72.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
2 100	64.2	65.9	67.9	70.5	71.0	72.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
2 000	66.7	68.3	70.3	73.2	73.8	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
2 900	70.3	72.0	74.2	77.4	77.9	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0
2 800	73.6	75.3	77.5	81.0	81.6	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7
2 700	75.1	77.0	79.3	82.8	83.5	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6
2 600	77.0	79.0	81.3	84.8	85.5	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6
2 500	78.1	80.2	82.4	86.0	86.6	88.5	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1
2 400	80.0	82.1	84.3	88.2	88.9	91.0	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6
2 300	80.3	82.3	84.5	88.4	89.1	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9
2 200	81.2	83.3	85.5	89.4	90.3	92.4	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
2 100	82.4	84.5	86.8	90.9	91.9	94.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
2 000	83.3	85.4	87.7	91.8	92.8	94.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5
1 900	83.4	85.5	87.8	91.9	92.9	95.1	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8
1 800	83.7	86.1	88.5	92.5	93.5	95.9	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
1 700	84.3	86.6	89.4	93.4	94.4	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
1 600	84.7	87.1	89.9	93.9	94.9	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
1 500	84.9	87.4	90.2	94.2	95.2	97.5	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
1 400	85.1	87.5	90.3	94.4	95.4	97.8	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
1 300	85.2	87.6	90.4	94.5	95.5	97.9	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.3
1 200	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
1 100	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
1 000	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
900	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
800	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
700	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
600	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
500	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
400	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
300	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
200	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
100	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4
0	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATELOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34045 BITBURG AB GERMANY

59-75

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	34.5	38.1	39.3	42.2	42.8	44.3	44.9	45.4	45.8	45.9	46.0	46.1	46.3	46.4	46.9				
2	42.8	42.7	44.2	47.3	48.0	49.7	50.3	50.9	51.2	51.3	51.4	51.6	51.7	51.9	52.6				
3	47.9	42.7	44.1	47.3	48.0	49.7	50.4	50.9	51.3	51.4	51.5	51.6	51.8	52.0	52.6				
4	47.9	42.7	44.1	47.3	48.0	49.7	50.4	50.9	51.3	51.4	51.5	51.6	51.8	52.0	52.6				
5	47.9	42.8	44.2	47.4	48.1	49.8	50.5	51.0	51.4	51.5	51.6	51.7	51.8	52.1	52.7				
6	41.5	43.4	44.3	48.1	48.8	50.5	51.2	51.7	52.1	52.2	52.3	52.4	52.5	52.8	53.4				
7	43.2	45.2	46.8	50.2	50.8	52.6	53.3	53.8	54.2	54.3	54.4	54.5	54.7	54.9	55.6				
8	44.0	46.1	47.7	51.2	51.8	53.6	54.3	54.8	55.2	55.3	55.4	55.5	55.7	55.9	56.6				
9	46.9	49.1	51.0	54.7	55.4	57.3	58.0	58.7	59.1	59.2	59.2	59.4	59.6	59.8	60.5				
10	47.7	50.0	52.0	55.8	56.6	58.4	59.1	59.8	60.2	60.3	60.4	60.5	60.7	61.0	61.6				
11	48.2	50.5	52.5	56.4	57.1	59.0	59.7	60.4	60.8	60.9	61.0	61.1	61.4	61.6	62.2				
12	50.2	52.7	54.8	58.9	59.7	61.6	62.4	63.1	63.5	63.6	63.7	63.8	64.1	64.3	65.0				
13	52.6	55.1	57.4	61.8	62.6	64.7	65.5	66.2	66.7	66.8	66.8	67.0	67.2	67.5	68.2				
14	56.0	58.6	61.0	65.7	66.6	68.8	69.7	70.4	70.9	71.0	71.1	71.2	71.5	71.7	72.4				
15	58.4	61.3	63.8	68.6	69.6	71.9	72.8	73.6	74.1	74.2	74.3	74.5	74.7	75.0	75.7				
16	61.7	64.6	67.3	72.4	73.3	75.7	76.6	77.4	78.0	78.1	78.2	78.4	78.6	78.9	79.6				
17	63.6	66.6	69.2	74.4	75.4	77.9	78.9	79.7	80.3	80.4	80.5	80.6	80.9	81.1	81.8				
18	65.7	68.7	71.5	77.0	78.0	80.6	81.7	82.6	83.2	83.3	83.4	83.6	83.8	84.1	84.8				
19	66.4	69.4	72.2	77.8	78.8	81.5	82.6	83.5	84.1	84.2	84.4	84.5	84.8	85.1	85.8				
20	69.4	71.5	74.5	80.4	81.3	84.3	85.5	86.4	87.1	87.2	87.3	87.5	87.7	88.0	88.7				
21	70.1	73.3	76.3	82.8	83.9	86.8	88.1	89.1	89.7	89.9	90.0	90.1	90.4	90.7	91.4				
22	70.9	74.2	77.5	84.0	85.2	88.3	89.7	90.7	91.3	91.4	91.5	91.7	92.0	92.3	93.0				
23	71.1	74.4	77.9	84.4	85.6	88.7	90.2	91.2	91.9	92.0	92.1	92.3	92.6	92.9	93.6				
24	71.6	75.1	78.6	85.4	86.5	89.8	91.3	92.3	93.0	93.2	93.3	93.5	93.7	94.0	94.7				
25	71.9	75.4	79.1	86.0	87.2	90.6	92.2	93.2	93.9	94.1	94.2	94.4	94.7	94.9	95.7				
26	72.2	75.8	79.5	86.3	87.7	91.2	92.9	93.9	94.7	94.8	94.9	95.1	95.4	95.7	96.4				
27	72.2	75.9	79.7	86.8	88.0	91.7	93.5	94.7	95.5	95.6	95.7	96.0	96.2	96.5	97.3				
28	72.3	76.0	79.7	87.0	88.2	91.9	93.8	95.1	95.9	96.1	96.2	96.5	96.7	97.1	97.8				
29	72.3	76.0	79.8	87.1	88.3	92.0	94.0	95.4	96.2	96.5	96.6	96.9	97.3	97.6	98.4				
30	72.4	76.1	79.8	87.1	88.3	92.1	94.1	95.5	96.4	96.6	96.8	97.2	97.6	98.0	99.1				
31	72.4	76.1	79.8	87.1	88.3	92.1	94.1	95.5	96.4	96.7	96.9	97.3	97.7	98.2	99.7				
32	72.4	76.1	79.8	87.1	88.3	92.1	94.1	95.5	96.5	96.8	97.0	97.4	97.8	98.4	100.0				

TOTAL NUMBER OF OBSERVATIONS 7167

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAR

CEILING VERSUS VISIBILITY

30000 SITE: 000000000000

9-78

UCL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

20.0	29.5	31.7	34.8	35.8	37.4	39.7	41.2	42.2	42.5	42.9	43.0	43.5	43.8	44.0
30.1	31.4	33.5	36.8	37.8	40.5	41.8	43.3	44.4	44.7	45.0	45.2	45.8	46.1	46.9
30.1	31.4	33.5	36.8	37.8	40.5	41.8	43.3	44.4	44.7	45.0	45.2	45.8	46.1	46.9
20.1	31.4	33.5	36.8	37.8	40.5	41.8	43.3	44.4	44.7	45.0	45.2	45.8	46.1	46.9
30.2	31.5	33.7	36.9	37.9	40.6	41.9	43.4	44.5	44.8	45.1	45.3	45.9	46.2	47.0
30.4	31.7	33.9	37.1	38.1	40.8	42.1	43.6	44.8	45.1	45.5	45.7	46.2	46.5	47.3
31.5	33.0	35.2	38.4	39.5	42.2	43.5	45.0	45.2	46.3	46.9	47.1	47.6	47.9	49.7
31.7	33.4	35.6	38.9	39.9	42.6	43.9	45.5	46.6	47.0	47.3	47.5	48.1	48.4	49.1
33.5	35.2	37.0	41.0	42.1	45.0	46.3	47.8	49.0	49.4	49.7	49.9	50.4	50.8	51.5
34.2	35.8	38.3	41.8	42.9	45.8	47.1	48.6	49.8	50.1	50.4	50.6	51.2	51.5	52.3
34.3	35.9	38.4	41.9	43.0	45.9	47.2	48.7	49.9	50.2	50.5	50.7	51.3	51.6	52.4
35.0	36.6	39.2	42.9	43.9	46.9	48.2	49.7	50.9	51.2	51.5	51.7	52.3	52.6	53.4
36.9	38.5	41.1	44.6	45.9	48.8	50.1	51.7	52.9	53.2	53.6	53.8	54.3	54.7	55.4
36.3	39.9	42.5	46.2	47.4	50.2	52.2	53.6	55.0	55.3	55.6	55.8	56.4	56.7	57.5
40.6	42.2	44.8	48.5	49.7	53.1	54.4	56.1	57.3	57.6	57.9	58.1	58.7	59.0	59.7
43.1	44.8	47.5	51.3	52.5	56.0	57.3	59.0	60.2	60.5	60.7	61.0	61.6	61.9	62.7
46.2	47.9	51.3	56.1	57.3	60.8	62.1	63.9	65.2	65.5	65.8	66.0	66.6	66.9	67.6
48.2	51.2	54.8	60.0	61.2	65.2	66.7	68.7	70.0	70.3	70.7	70.9	71.4	71.6	72.5
50.0	51.9	55.4	60.9	62.2	66.2	67.6	69.7	71.0	71.3	71.6	71.9	72.4	72.7	73.5
51.5	53.7	57.5	63.1	64.5	68.5	70.1	72.2	73.5	73.8	74.1	74.4	75.0	75.3	76.1
54.8	57.1	61.0	67.1	68.5	72.7	74.4	76.5	77.9	78.2	78.6	78.9	79.5	79.9	80.6
57.3	59.8	63.7	70.6	72.1	76.6	78.4	80.7	82.1	82.5	82.8	83.1	83.8	84.1	84.8
58.0	60.7	64.8	71.6	73.3	77.9	79.8	82.1	83.5	83.9	84.2	84.5	85.2	85.5	86.3
58.4	61.1	65.6	72.9	74.6	79.2	81.2	83.5	85.0	85.2	85.5	85.9	86.6	86.9	87.7
58.8	61.5	65.9	73.3	75.0	79.6	81.7	84.4	85.8	86.1	86.5	86.8	87.4	87.8	88.5
59.1	62.0	66.7	74.0	75.8	80.5	82.5	85.3	86.7	87.0	87.3	87.7	88.4	88.7	89.5
59.5	62.6	67.3	74.8	76.5	81.8	84.0	86.9	88.3	88.6	89.0	89.3	90.0	90.4	91.1
59.5	62.6	67.3	74.8	76.5	82.1	84.7	87.8	89.3	89.6	89.9	90.3	91.0	91.3	92.1
59.5	62.6	67.3	74.8	76.5	82.8	85.6	88.9	90.6	91.0	91.3	91.9	92.7	93.2	93.9
59.5	62.6	67.3	74.8	76.5	82.8	85.9	89.2	91.3	91.9	92.2	93.1	94.4	95.1	97.1
59.5	62.6	67.3	74.8	76.5	82.8	85.9	89.3	91.5	92.1	92.4	93.2	94.7	95.6	99.7
59.5	62.6	67.3	74.8	76.5	82.8	85.9	89.3	91.5	92.1	92.4	93.3	94.7	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAO

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY

29-76

001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
NO CEILING	22.4	23.6	25.3	26.6	29.0	37.1	33.8	34.8	35.5	36.3	36.6	37.2	38.7	39.3	40.8		
2 2000	23.6	24.8	26.7	30.1	30.5	34.6	35.3	36.3	37.0	37.8	38.1	38.9	40.5	41.2	42.7		
2 1500	23.7	24.9	26.8	30.2	30.6	33.7	35.5	36.4	37.1	37.9	38.3	39.0	40.6	41.3	42.8		
2 1000	23.7	24.9	26.8	30.2	30.6	33.7	35.5	36.4	37.1	37.9	38.3	39.0	40.6	41.3	42.8		
2 800	24.4	25.5	27.5	30.8	31.1	36.4	37.4	38.3	39.1	39.4	40.2	41.8	42.5	44.0			
2 600	25.6	26.8	29.0	32.3	32.7	37.9	38.9	39.8	40.6	40.9	41.7	43.3	44.0	45.5			
2 500	25.9	27.0	29.2	32.5	33.0	38.1	39.1	40.0	40.8	41.2	41.9	43.5	44.2	45.7			
2 400	27.1	28.3	30.5	34.2	34.6	39.8	40.7	41.6	42.5	42.9	43.5	45.2	45.8	47.3			
2 3500	29.7	30.9	33.1	36.5	36.9	43.1	44.1	44.9	45.8	46.1	46.9	48.5	49.1	50.6			
2 2500	30.8	32.3	34.7	39.0	39.4	45.4	46.3	47.2	48.1	48.4	49.1	50.8	51.4	52.9			
2 2000	33.1	34.6	37.2	41.6	42.0	48.2	49.1	50.0	50.9	51.2	51.9	53.6	54.2	55.7			
2 1800	35.6	37.2	40.0	44.4	44.8	51.3	52.4	53.2	54.1	54.4	55.2	56.8	57.4	58.9			
2 1500	39.0	40.0	43.6	48.1	48.5	55.6	56.7	57.5	58.4	58.7	59.7	61.4	62.1	63.7			
2 1000	40.3	41.9	44.9	49.4	49.8	56.9	58.0	58.8	59.7	60.0	61.0	62.7	63.4	65.0			
2 800	42.7	44.3	47.4	52.0	52.5	59.7	60.8	61.6	62.5	62.8	63.8	65.6	66.3	67.9			
2 600	46.3	48.1	51.5	56.6	57.4	65.0	66.1	67.0	67.9	68.2	69.2	71.0	71.7	73.3			
2 500	48.3	50.1	53.8	59.0	59.5	68.7	69.4	70.4	71.2	71.6	72.5	74.4	75.0	76.6			
2 400	49.5	51.3	55.3	61.3	62.2	67.5	70.0	71.1	72.1	73.0	73.4	74.4	76.2	76.8			
2 3500	50.6	52.5	56.5	63.3	64.1	69.4	72.1	73.2	74.1	75.0	75.4	76.4	78.2	78.9			
2 2500	50.8	52.6	56.6	63.9	64.8	70.0	72.7	74.1	75.1	76.0	76.4	77.4	79.2	79.8			
2 2000	51.9	54.0	58.0	65.4	66.3	71.7	74.8	76.6	77.6	78.6	79.1	80.1	82.0	82.7			
2 1800	52.5	54.6	58.7	66.5	67.3	73.2	76.4	78.3	79.3	80.3	80.8	81.8	83.7	84.4			
2 1500	52.5	54.6	58.7	66.8	67.7	74.0	77.5	79.6	80.8	81.8	82.3	83.3	85.3	86.0			
2 1000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.5	83.4	84.5	85.3	87.0	90.1	91.2			
2 800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 600	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 400	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 3500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 600	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 400	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 3500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 600	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 400	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 3500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 600	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 400	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 3500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 600	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 400	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 3500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 2000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 1000	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 800	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 600	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2			
2 500	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7						

AL CLIMATOLOGY BRANCH
ETAL
CATHER SERVICE/AC

CEILING VERSUS VISIBILITY

4 BITBURG AB GERMANY

19-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET		VISIBILITY STATUTE MILES																
		20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52
NO CEILING	20000	14.8	15.6	17.0	20.4	20.6	22.6	24.5	26.2	27.4	28.2	28.4	29.1	30.4	31.1	34.2		
	15000	15.6	16.6	18.1	21.9	22.1	24.1	26.1	27.9	29.3	30.2	30.4	31.1	32.4	33.3	36.7		
2000	1500	15.6	16.6	18.1	21.9	22.1	24.1	26.1	27.9	29.3	30.2	30.4	31.1	32.4	33.3	36.7		
	1500	15.7	16.7	18.2	22.0	22.2	24.2	26.2	28.0	29.4	30.3	30.5	31.3	32.5	33.4	36.9		
1400	1400	15.9	16.8	18.3	22.1	22.3	24.4	26.3	28.1	29.5	30.4	30.6	31.4	32.7	33.5	37.0		
	1300	15.8	16.8	18.4	22.2	22.4	24.6	26.5	28.3	29.7	30.6	30.8	31.6	32.9	33.7	37.2		
1000	1000	16.2	17.3	19.1	23.1	23.3	25.4	27.4	29.2	30.6	31.6	31.8	32.7	34.1	35.0	38.6		
	900	16.2	17.3	19.1	23.2	23.4	25.5	27.5	29.3	30.7	31.7	31.9	32.8	34.2	35.1	38.7		
800	800	17.0	18.5	20.4	25.0	25.2	27.6	29.5	31.4	32.8	33.7	33.9	34.9	36.3	37.3	40.8		
	700	17.0	18.5	20.4	25.0	25.2	27.6	29.5	31.4	33.0	33.9	34.2	35.2	36.6	37.6	41.2		
600	600	18.2	19.7	21.6	26.5	26.7	29.2	31.1	33.0	34.6	35.6	35.8	36.9	38.3	39.2	42.8		
	500	19.2	20.7	22.6	27.6	27.8	30.5	32.2	34.1	35.7	36.6	36.9	37.9	39.3	40.3	43.9		
400	400	20.9	22.5	24.5	29.6	29.8	32.5	34.8	37.2	39.0	40.0	40.2	41.4	42.8	43.8	47.4		
	300	27.1	23.9	26.0	31.7	31.9	34.7	37.0	39.3	41.2	42.1	42.3	43.5	44.9	45.9	49.5		
250	250	24.6	26.4	28.6	34.5	34.7	37.5	39.8	42.1	44.0	44.9	45.2	46.3	47.7	48.7	52.4		
	200	25.9	28.0	30.2	36.2	36.4	39.3	42.0	44.5	46.4	47.4	47.7	48.9	50.4	51.5	55.2		
1800	1800	29.7	32.3	34.9	41.3	41.5	44.4	47.1	49.6	51.6	52.7	53.0	54.2	55.7	56.8	60.6		
	1500	30.4	33.0	35.9	42.3	42.6	45.5	48.2	50.6	52.7	53.8	54.1	55.3	56.8	57.9	61.6		
1200	1200	33.3	36.1	39.1	45.6	46.0	49.4	52.0	54.6	56.7	57.8	58.1	59.3	60.8	62.1	65.8		
	1000	35.8	38.7	41.7	48.7	49.4	52.8	55.5	58.1	60.1	61.2	61.5	62.7	64.2	65.5	69.3		
900	900	38.0	41.3	44.4	51.7	52.4	56.1	58.9	61.7	63.9	65.0	65.3	66.5	68.0	69.3	73.1		
	800	38.5	42.0	45.3	53.0	53.8	57.7	60.6	63.4	65.5	66.6	66.9	68.1	69.6	70.9	74.7		
700	700	39.7	43.2	46.6	55.0	56.1	60.1	63.0	65.8	68.1	69.2	69.5	70.7	72.2	73.5	77.3		
	600	40.6	44.4	48.0	56.8	58.0	62.2	65.2	68.1	70.5	71.6	71.9	73.1	74.6	75.9	79.6		
500	500	41.1	45.2	49.4	58.6	59.8	64.3	67.7	70.8	73.2	74.2	74.7	75.9	77.4	78.8	82.5		
	400	41.7	45.9	50.2	59.7	61.2	65.9	69.6	73.1	75.4	76.5	76.9	78.1	79.6	81.0	84.8		
300	300	41.7	45.9	50.2	59.7	61.2	66.1	70.3	74.0	76.6	77.7	78.2	79.4	80.9	82.3	86.1		
	200	41.7	45.9	50.2	59.8	61.3	66.3	70.9	74.9	77.7	79.0	79.8	81.0	82.8	84.2	87.9		
100	100	41.7	45.9	50.2	59.8	61.3	66.3	71.1	75.1	78.4	80.0	80.8	82.4	84.6	86.6	92.5		
	0	41.7	45.9	50.2	59.8	61.3	66.3	71.1	75.1	78.4	80.0	81.1	82.8	85.5	87.9	100.0		

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY

09-78

001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATISTICAL VALUES																
	20	20	25	24	20	20	20	20	20	20	20	20	20	20	20	20	20
1000	17.4	13.9	15.9	20.8	21.3	23.0	24.6	26.1	26.9	27.0	27.3	27.5	27.8	28.1	29.4		
900	17.7	15.2	17.8	23.0	23.6	25.3	27.3	28.9	30.0	30.2	30.5	30.7	31.0	31.4	32.9		
800	13.8	15.4	17.9	23.1	23.7	25.4	27.4	29.0	30.1	30.3	30.6	30.6	31.1	31.5	33.0		
700	14.0	15.6	18.1	23.3	23.9	25.6	27.6	29.2	30.3	30.5	30.8	31.0	31.4	31.7	33.2		
600	14.2	15.8	18.3	23.5	24.1	25.9	27.8	29.4	30.5	30.7	31.0	31.3	31.6	31.9	33.4		
500	14.7	16.4	18.9	24.0	24.7	26.4	28.3	30.0	31.0	31.3	31.6	31.6	32.1	32.4	33.9		
400	15.0	16.7	19.3	24.5	25.1	26.8	28.8	30.5	31.6	31.8	32.1	32.3	32.7	33.0	34.6		
300	15.3	17.0	19.6	24.8	25.4	27.4	29.3	31.0	32.1	32.3	32.7	32.9	33.2	33.5	35.1		
200	17.0	18.9	21.8	26.9	27.7	29.7	31.7	33.4	34.5	34.7	35.0	35.2	35.6	35.9	37.5		
100	17.7	19.5	22.4	27.6	28.3	30.4	32.4	34.2	35.2	35.5	35.8	36.2	36.5	36.9	38.5		
0	18.4	20.3	23.2	28.4	29.2	31.3	33.3	35.0	36.1	36.3	36.6	37.1	37.4	37.7	39.3		
1000	19.2	21.1	24.2	29.5	30.3	32.4	34.5	36.2	37.3	37.5	37.8	38.3	38.6	38.9	40.5		
900	21.1	23.4	26.6	31.9	32.9	35.3	37.4	39.1	40.2	40.4	40.8	41.3	41.8	42.1	43.8		
800	23.3	25.8	29.2	34.5	35.5	37.9	40.0	41.7	42.9	43.1	43.5	44.0	44.5	44.8	46.4		
700	25.4	27.9	31.4	37.2	38.3	40.7	42.9	44.8	46.0	46.3	46.8	47.2	47.7	48.1	49.7		
600	27.6	30.2	33.6	39.5	40.6	43.1	45.3	47.2	48.4	48.7	49.1	49.7	50.3	50.6	52.3		
500	31.3	33.8	37.7	44.1	45.2	47.8	50.0	51.9	53.1	53.4	53.9	54.4	55.1	55.4	57.0		
400	32.2	34.9	38.9	45.4	46.4	49.2	51.4	53.4	54.6	55.0	55.4	55.9	56.6	56.9	58.5		
300	35.5	38.5	42.6	49.2	50.3	53.4	56.0	58.3	59.5	59.8	60.2	60.9	61.5	62.1	63.7		
200	38.7	41.9	46.2	53.4	54.6	57.9	60.5	62.7	63.9	64.2	64.7	65.3	65.9	66.5	68.1		
100	40.5	44.0	48.4	56.6	58.0	61.9	65.0	67.3	68.6	69.0	69.4	70.0	70.7	71.2	72.8		
0	41.2	44.6	49.0	57.2	58.7	62.8	66.1	68.5	69.9	70.3	70.7	71.3	72.0	72.5	74.1		
1000	42.1	45.9	50.6	59.2	60.9	65.4	68.6	71.3	72.8	73.3	73.7	74.4	75.0	75.5	77.2		
900	42.5	46.2	51.3	61.1	63.3	68.1	71.7	74.6	76.1	76.5	76.9	77.6	78.2	78.8	80.4		
800	47.6	46.6	52.0	62.6	64.9	70.3	73.8	76.9	78.6	79.0	79.5	80.2	80.8	81.4	83.0		
700	42.8	46.8	52.3	63.1	65.5	71.2	75.0	78.4	80.2	80.6	81.1	81.8	82.4	83.0	84.6		
600	47.8	46.8	52.3	63.4	65.8	72.2	76.3	80.0	82.1	82.7	83.3	84.1	84.7	85.2	86.9		
500	42.8	46.8	52.3	63.5	65.9	72.7	77.0	81.0	84.1	84.7	85.6	86.3	87.1	87.6	89.2		
400	42.9	46.9	52.4	63.6	66.1	73.0	77.3	81.3	84.6	85.7	86.7	87.9	89.5	90.6	94.0		
300	42.9	46.9	52.4	63.6	66.1	73.0	77.4	81.4	84.8	85.9	87.0	88.1	89.9	91.4	99.5		
200	42.9	46.9	52.4	63.6	66.1	73.0	77.4	81.4	84.8	85.9	87.0	88.1	89.9	91.5	100.0		
100																	
0																	

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34047 BITBURG AB GERMANY

9-76

JCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
NO CEILING ≥ 27000	27.6	23.9	25.8	29.0	29.9	3.6	31.3	31.4	31.5	31.6	31.5	31.6	31.6	31.6	31.7	31.9												
≥ 18000 ≥ 15000	26.7	28.2	30.3	34.8	35.2	35.9	36.6	36.7	36.9	37.0	37.0	37.0	37.0	37.0	37.1	37.3												
≥ 14000 ≥ 12000	26.7	28.2	30.3	34.8	35.2	35.9	36.6	36.7	36.9	37.0	37.0	37.0	37.0	37.0	37.1	37.3												
≥ 10000 ≥ 8000	26.9	28.4	30.5	35.1	35.4	36.1	36.8	36.9	37.1	37.2	37.2	37.2	37.2	37.2	37.3	37.5												
≥ 6000 ≥ 4000	27.8	29.0	31.8	36.5	36.8	37.5	38.2	38.3	38.5	38.6	38.6	38.6	38.6	38.6	38.7	38.9												
≥ 3000 ≥ 2000	29.6	31.4	33.9	38.6	39.0	39.8	40.4	40.6	41.0	41.1	41.1	41.1	41.1	41.1	41.2	41.4												
≥ 1500 ≥ 1000	30.3	32.2	34.6	39.4	39.8	40.5	41.2	41.4	41.7	41.8	41.8	41.8	41.8	41.8	41.9	42.2												
≥ 800 ≥ 600	31.5	33.3	35.8	40.0	41.1	41.9	42.6	42.8	43.1	43.2	43.2	43.2	43.2	43.2	43.3	43.5												
≥ 450 ≥ 300	32.5	34.3	36.8	41.7	42.2	43.0	43.7	43.9	44.2	44.3	44.3	44.3	44.3	44.3	44.4	44.6												
≥ 250 ≥ 150	32.8	34.6	37.1	42.0	42.5	43.3	44.0	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.7	44.9												
≥ 100 ≥ 50	34.6	36.6	39.0	44.0	44.4	45.3	45.9	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.7	46.9												
≥ 30 ≥ 15	34.9	37.0	39.5	44.4	44.8	45.7	46.3	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.1	47.3												
≥ 10 ≥ 5	35.6	38.7	41.2	46.5	46.9	47.7	48.4	48.6	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.4												
≥ 3500 ≥ 3000	39.0	41.2	43.7	48.9	49.4	50.2	51.0	51.2	51.5	51.6	51.6	51.6	51.6	51.6	51.7	51.9												
≥ 2500 ≥ 2000	43.5	46.0	48.7	54.3	54.7	55.7	56.6	56.7	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.4												
≥ 1800 ≥ 1500	47.2	49.7	52.4	58.5	58.9	60.2	61.0	61.3	61.6	61.7	61.7	61.7	61.7	61.7	61.8	62.0												
≥ 1200 ≥ 1000	52.7	55.3	58.0	64.1	64.6	66.0	66.8	67.1	67.4	67.5	67.5	67.5	67.5	67.5	67.6	67.8												
≥ 800 ≥ 600	54.0	56.7	59.5	65.7	66.2	67.6	68.4	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.5												
≥ 400 ≥ 300	58.7	61.6	65.1	71.4	71.9	73.3	74.2	74.5	74.8	74.9	74.9	74.9	74.9	74.9	75.1	75.3												
≥ 200 ≥ 100	61.2	64.5	68.9	76.6	77.3	78.8	79.7	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.5	80.8												
≥ 100 ≥ 50	62.9	66.5	71.0	80.0	81.0	82.8	84.0	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.9	85.2												
≥ 30 ≥ 15	63.0	66.6	71.1	80.3	81.3	83.2	84.5	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.7												
≥ 10 ≥ 5	64.1	67.8	72.5	82.8	83.8	85.8	87.3	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.5	88.7												
≥ 3 ≥ 1	64.5	68.4	73.1	84.0	85.1	87.5	89.1	89.7	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.5												
≥ 0	64.9	69.0	73.9	85.3	86.3	89.0	90.8	91.4	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.3												
≥ 0	65.1	69.2	74.1	85.5	86.6	89.6	91.5	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.9	93.1												
≥ 0	65.1	69.4	74.2	85.6	86.7	89.9	92.2	93.5	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.7												
≥ 0	65.1	69.4	74.2	85.6	86.7	89.9	92.4	94.2	95.5	95.8	96.0	96.0	96.0	96.1	96.3	96.6												
≥ 0	65.1	69.4	74.2	85.6	86.7	89.9	92.4	94.2	95.9	96.5	96.8	97.0	97.0	97.8	98.6	99.8												
≥ 0	65.1	69.4	74.2	85.6	86.7	89.9	92.4	94.3	96.0	96.6	96.9	97.1	98.0	98.7	100.0													

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

340400 BITBURG AB GERMANY

9-73

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS																
CEILING FEET	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
2000	30.1	31.5	33.5	35.3	35.3	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.7	36.0	36.0
2 2000	35.6	38.3	41.1	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.8	43.8	43.8	44.1	44.1
2 2000	35.6	38.3	41.1	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.8	43.8	43.8	44.1	44.1
2 2000	35.6	38.3	41.1	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.8	43.8	43.8	44.1	44.1
2 2000	36.9	38.5	41.3	43.5	43.6	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.3	44.3
2 2000	37.9	39.5	42.7	44.9	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.8	45.8
2 2000	40.4	42.0	45.2	47.7	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.6	48.6
2 2000	41.3	42.9	46.0	48.7	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.6	49.6
2 2000	43.1	44.7	47.8	50.9	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.9	51.9
2 2000	43.8	45.4	48.5	51.7	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.6	52.6
2 2000	44.1	45.7	48.8	51.8	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.9	52.9
2 2000	45.2	46.8	49.9	53.0	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	54.1	54.1
2 2000	46.4	48.1	51.3	54.4	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.5	55.5
2 2000	50.2	51.8	55.3	58.7	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	60.0	60.0
2 2000	54.5	56.1	59.7	63.3	63.6	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.5	64.5
2 2000	57.7	59.4	63.5	67.5	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.9	68.9
2 2000	62.3	64.3	69.0	73.1	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.5	74.5
2 2000	67.2	69.5	74.2	78.7	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	80.3	80.3
2 2000	68.5	70.8	75.6	80.3	80.7	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	82.0	82.0
2 2000	71.3	73.8	79.1	83.9	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.7	85.7
2 2000	73.9	76.9	82.5	87.9	88.5	89.8	89.8	89.8	89.8	89.8	89.8	90.0	90.2	90.2	90.3	90.6
2 2000	75.1	78.0	84.3	89.9	90.4	92.2	92.3	92.6	92.8	92.8	92.8	92.9	92.9	92.9	93.2	93.2
2 2000	75.2	78.9	84.7	90.8	91.4	93.2	93.3	93.5	93.8	93.8	93.8	93.9	93.9	93.9	94.2	94.2
2 2000	75.4	79.1	84.9	91.4	91.9	93.9	94.0	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.8	94.8
2 2000	75.4	79.1	84.9	91.5	92.0	94.3	94.4	94.6	94.8	94.8	94.8	94.9	94.9	94.9	95.3	95.3
2 2000	75.4	79.1	84.9	91.9	92.6	94.8	95.2	95.5	95.8	95.8	95.8	95.9	95.9	95.9	96.2	96.2
2 2000	75.4	79.1	84.9	92.0	92.7	95.5	96.1	96.6	97.0	97.0	97.0	97.1	97.1	97.1	97.4	97.4
2 2000	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.3	97.8	98.0	98.1	98.1	98.1	98.1	98.4	98.4
2 2000	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.4	98.4	98.5	98.6	98.6	98.6	98.6	98.9	98.9
2 2000	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.4	98.5	98.6	98.6	98.6	98.6	98.6	98.9	98.9
2 2000	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.4	98.5	98.6	98.6	98.6	98.6	98.6	98.9	98.9
2 2000	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.4	98.5	98.6	98.6	98.6	98.6	98.6	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR LATER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY

9-7

NCI

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1-100	31.9	33.3	36.0	40.3	40.9	41.9	42.3	42.3	42.3	42.3	42.4	42.5	42.6	42.6	42.6	42.6	42.6
1-100	35.7	37.1	40.4	45.3	46.1	47.4	47.8	47.8	47.8	47.8	48.7	48.1	48.2	48.2	48.2	48.2	48.2
1-100	36.0	37.5	40.9	45.7	46.6	47.8	48.3	48.3	48.3	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6
1-100	36.1	37.6	41.0	45.8	46.7	48.0	48.4	48.4	48.4	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.7
1-100	36.7	38.2	41.5	46.3	47.2	48.5	48.9	48.9	48.9	48.9	49.0	49.1	49.2	49.2	49.2	49.2	49.2
1-100	37.3	38.6	42.2	47.1	48.0	49.5	49.9	49.9	49.9	49.9	50.0	50.1	50.2	50.2	50.2	50.2	50.2
1-100	37.2	41.0	44.3	49.2	50.1	51.6	52.0	52.0	52.0	52.0	52.2	52.3	52.4	52.4	52.4	52.4	52.4
1-100	40.1	41.9	45.3	50.2	51.1	52.6	53.0	53.0	53.0	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3
1-100	43.0	45.2	48.7	53.9	54.7	56.2	56.7	56.7	56.7	56.7	56.8	56.9	57.0	57.0	57.0	57.0	57.0
1-100	44.0	46.1	49.7	54.8	55.7	57.2	57.6	57.6	57.6	57.6	57.7	57.8	58.0	58.0	58.0	58.0	58.0
1-100	44.1	46.2	49.8	54.9	55.8	57.3	57.7	57.7	57.7	57.7	57.8	58.0	58.1	58.1	58.1	58.1	58.1
1-100	45.1	47.2	50.8	55.9	56.8	58.3	58.7	58.7	58.7	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0
1-100	47.2	49.4	52.9	58.2	59.0	60.5	61.0	61.0	61.0	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3
1-100	50.1	52.3	55.8	61.3	62.2	63.8	64.2	64.2	64.2	64.2	64.3	64.4	64.5	64.5	64.5	64.5	64.5
1-100	54.4	56.6	60.2	66.1	67.1	68.7	69.1	69.1	69.1	69.1	69.2	69.4	69.5	69.5	69.5	69.5	69.5
1-100	57.4	59.6	63.2	69.2	70.2	71.9	72.4	72.4	72.4	72.4	72.5	72.6	72.7	72.7	72.7	72.7	72.7
1-100	61.0	63.5	67.3	73.9	74.8	76.7	77.1	77.1	77.1	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.4
1-100	66.1	69.0	73.0	80.6	81.6	83.7	84.1	84.1	84.1	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4
1-100	67.1	70.1	74.2	81.8	82.8	85.1	85.5	85.5	85.5	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8
1-100	69.4	72.5	76.9	85.2	86.1	88.4	88.8	88.8	88.8	88.8	88.9	89.0	89.1	89.1	89.1	89.1	89.1
1-100	70.6	74.1	78.9	87.6	88.6	91.1	91.6	91.8	91.8	91.8	91.9	92.0	92.2	92.2	92.2	92.2	92.2
1-100	70.9	74.4	79.4	88.5	89.6	92.2	93.0	93.2	93.2	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5
1-100	70.9	74.4	79.4	88.6	89.9	92.5	93.3	93.5	93.5	93.5	93.7	93.8	93.9	93.9	94.0	94.0	94.0
1-100	71.1	74.8	79.8	89.4	90.4	93.2	94.1	94.4	94.4	94.4	94.5	94.6	94.7	94.7	94.8	94.8	94.8
1-100	71.2	74.9	80.0	89.7	90.8	93.9	94.7	95.1	95.2	95.2	95.3	95.4	95.5	95.5	95.6	95.6	95.6
1-100	71.2	75.1	80.2	89.9	91.0	94.1	94.9	95.4	95.5	95.5	95.6	95.7	95.8	95.8	95.9	95.9	95.9
1-100	71.3	75.2	80.3	90.3	91.5	94.9	95.9	96.6	96.7	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.1
1-100	71.3	75.2	80.3	90.4	91.6	95.4	96.3	97.5	97.8	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.3
1-100	71.3	75.2	80.3	90.4	91.6	95.4	96.5	97.7	98.2	98.2	98.3	98.4	98.6	98.6	98.7	98.7	98.7
1-100	71.3	75.2	80.3	90.4	91.6	95.4	96.5	98.0	98.4	98.5	98.6	98.7	99.0	99.0	99.5	99.5	99.5
1-100	71.3	75.2	80.3	90.4	91.6	95.4	96.5	98.0	98.4	98.5	98.6	98.7	99.0	99.0	100.0	100.0	100.0
1-100	71.3	75.2	80.3	90.4	91.6	95.4	96.5	98.0	98.4	98.5	98.6	98.7	99.0	99.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITHUR AB GER NY

9-76

UCL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
35.5	36.3	38.7	41.9	42.6	43.9	46.5	47.2	47.4	47.5	47.5	47.7	48.0	48.0	48.0	48.0	48.0
38.4	39.2	41.5	43.5	45.2	46.7	50.3	51.1	51.3	51.4	51.5	51.7	51.9	51.9	51.9	51.9	51.9
38.4	39.2	41.5	43.5	45.2	46.7	50.3	51.1	51.3	51.4	51.5	51.7	51.9	51.9	51.9	51.9	51.9
38.4	39.2	41.5	43.5	45.2	46.7	50.3	51.1	51.3	51.4	51.5	51.7	51.9	51.9	51.9	51.9	51.9
38.6	39.5	41.8	43.7	45.7	46.5	49.5	50.5	51.3	51.5	51.6	51.7	51.9	52.2	52.2	52.2	52.2
38.8	39.7	42.0	43.9	45.9	46.7	50.2	50.9	51.6	51.8	51.9	52.0	52.3	52.5	52.5	52.5	52.5
39.3	40.5	43.0	47.0	47.7	51.5	52.2	52.9	53.1	53.2	53.3	53.5	53.8	53.8	53.8	53.8	53.8
40.4	41.3	43.7	47.6	48.4	52.2	52.8	53.5	53.8	53.9	54.0	54.2	54.4	54.4	54.4	54.4	54.4
42.3	43.5	46.0	50.1	51.0	54.7	55.4	56.1	56.5	56.6	56.7	56.9	57.1	57.1	57.1	57.1	57.1
42.8	44.2	46.8	50.9	51.7	55.5	56.2	57.0	57.3	57.4	57.5	57.7	58.0	58.0	58.0	58.0	58.0
43.0	44.4	47.0	51.1	51.9	55.7	56.5	57.2	57.5	57.6	57.7	58.0	58.2	58.2	58.2	58.2	58.2
44.3	45.7	48.3	52.5	53.3	57.1	57.8	58.6	58.9	59.0	59.1	59.4	59.6	59.6	59.6	59.6	59.6
47.6	49.1	51.8	56.1	57.1	60.9	61.6	62.4	62.7	62.8	62.9	63.1	63.3	63.3	63.3	63.3	63.3
50.3	51.8	54.5	58.9	60.0	64.2	64.9	65.7	66.0	66.1	66.2	66.5	66.7	66.7	66.7	66.7	66.7
52.1	54.7	57.4	61.9	63.1	67.3	68.1	68.8	69.1	69.2	69.4	69.6	69.8	69.8	69.8	69.8	69.8
55.3	56.9	59.7	64.3	65.5	69.7	70.4	71.2	71.5	71.6	71.7	71.9	72.2	72.2	72.2	72.2	72.2
58.7	59.8	62.8	67.6	69.0	73.2	74.0	74.7	75.1	75.2	75.3	75.5	75.7	75.7	75.7	75.7	75.7
62.3	64.1	67.2	72.5	73.9	78.2	79.0	79.8	80.1	80.2	80.3	80.5	80.8	80.8	80.8	80.8	80.8
62.8	64.6	67.8	73.2	74.6	78.9	79.8	80.5	80.9	81.0	81.1	81.3	81.5	81.5	81.5	81.5	81.5
65.1	66.9	70.1	75.7	77.4	82.0	82.9	83.7	84.0	84.1	84.2	84.4	84.6	84.6	84.6	84.6	84.6
66.9	68.7	72.5	78.6	80.4	85.3	86.3	87.1	87.4	87.5	87.6	87.8	88.1	88.1	88.1	88.1	88.1
68.1	70.1	74.0	80.3	82.2	87.3	88.4	89.1	89.5	89.6	89.7	89.9	90.1	90.1	90.1	90.1	90.1
68.2	70.2	74.2	80.6	82.5	87.6	88.7	89.5	89.8	89.9	90.0	90.2	90.4	90.4	90.4	90.4	90.4
68.7	70.9	75.1	81.6	83.4	88.9	90.0	90.8	91.1	91.2	91.3	91.5	91.7	91.7	91.7	91.7	91.7
69.5	71.6	76.0	82.9	84.7	90.4	91.7	92.5	92.8	92.9	93.0	93.2	93.4	93.4	93.4	93.4	93.4
69.7	71.8	76.6	83.8	85.6	91.5	92.8	93.5	93.9	94.0	94.1	94.3	94.5	94.5	94.5	94.5	94.5
69.8	72.0	76.9	84.2	86.0	92.2	93.4	94.4	94.7	94.8	94.9	95.2	95.4	95.4	95.4	95.4	95.4
69.8	72.2	77.1	84.5	86.3	92.9	94.2	95.3	95.8	95.9	96.0	96.2	96.5	96.5	96.5	96.5	96.5
69.8	72.2	77.1	84.5	86.3	93.1	94.4	95.8	96.5	96.6	96.7	97.0	97.2	97.2	97.2	97.2	97.2
69.9	72.3	77.2	84.6	86.5	93.2	94.5	95.9	96.7	96.8	96.9	97.3	97.7	98.5	98.5	98.5	98.5
69.9	72.3	77.2	84.6	86.5	93.2	94.5	96.0	96.8	96.9	97.1	97.5	98.0	98.7	100.0	100.0	100.0
69.9	72.3	77.2	84.6	86.5	93.2	94.5	96.0	96.8	96.9	97.1	97.5	98.0	98.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAF

CEILING VERSUS VISIBILITY

3434- BITBURG AB GERMANY

9-7

ACT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

24.7	26.0	28.2	31.3	31.9	33.8	34.8	35.6	36.1	36.4	36.5	36.8	37.3	37.6	38.4
27.6	28.9	31.2	35.1	35.6	37.5	38.6	39.5	40.0	40.3	40.5	40.6	41.3	41.7	42.9
27.6	28.9	31.3	35.1	35.7	37.6	38.7	39.5	40.1	40.4	40.6	40.9	41.4	41.7	42.7
27.7	29.0	31.3	35.2	35.8	37.7	38.7	39.6	40.2	40.5	40.7	41.0	41.5	41.8	42.7
27.9	29.2	31.5	35.4	36.0	37.9	38.9	39.8	40.4	40.7	40.9	41.2	41.7	42.0	42.9
28.3	29.7	32.1	36.1	36.5	38.5	39.6	40.4	41.0	41.3	41.5	41.8	42.3	42.6	43.6
29.5	31.1	33.4	37.4	38.0	40.0	41.1	42.0	42.6	42.9	43.1	43.4	44.0	44.3	45.2
30.0	31.5	33.9	38.1	38.5	40.5	41.7	42.6	43.2	43.5	43.7	44.1	44.5	44.9	45.8
31.6	33.3	35.9	40.1	40.7	42.9	44.0	44.8	45.5	45.8	46.0	46.3	46.8	47.2	48.1
32.2	33.9	36.5	40.7	41.3	43.5	44.6	45.3	46.2	46.5	46.7	47.0	47.5	47.9	48.8
32.4	34.0	36.6	40.9	41.5	43.6	44.7	45.6	46.3	46.6	46.8	47.2	47.7	48.0	49.0
33.5	35.1	37.8	42.2	42.8	45.0	46.1	46.9	47.6	47.9	48.1	48.5	49.0	49.3	50.3
35.0	36.7	39.4	43.8	44.4	46.7	47.8	48.7	49.3	49.7	49.9	50.2	50.7	51.1	52.0
37.2	38.9	41.7	46.3	46.9	49.4	50.6	51.5	52.2	52.6	52.9	53.1	53.7	54.0	55.0
39.7	41.6	44.5	49.2	50.0	52.4	53.6	54.6	55.3	55.6	55.8	56.2	56.7	57.1	58.1
42.5	44.3	47.2	52.5	53.2	55.8	57.0	58.0	58.7	59.0	59.2	59.6	60.1	60.5	61.4
45.5	47.6	50.8	56.2	56.9	59.6	60.9	61.9	62.6	63.0	63.2	63.6	64.1	64.5	65.5
49.7	52.0	55.4	61.2	62.0	64.8	66.1	67.2	68.0	68.3	68.5	68.9	69.5	69.9	70.9
52.7	53.0	56.6	62.4	63.7	66.1	67.4	68.5	69.3	69.6	69.8	70.2	70.8	71.2	72.2
53.4	55.9	59.7	65.6	66.7	69.7	71.1	72.3	73.1	73.4	73.6	74.1	74.7	75.1	76.1
56.0	58.8	62.9	69.0	70.6	73.9	75.4	76.5	77.3	77.7	77.9	78.3	79.0	79.4	80.4
57.6	60.6	64.9	72.2	73.3	76.9	78.5	79.8	80.7	81.0	81.2	81.7	82.3	82.7	83.7
58.1	61.1	65.5	73.0	74.1	77.8	79.5	80.8	81.7	82.0	82.3	82.7	83.3	83.7	84.7
58.8	61.9	66.4	74.4	75.7	79.5	81.3	82.6	83.5	83.9	84.1	84.6	85.2	85.6	86.6
59.2	62.3	67.0	75.4	76.7	80.8	82.7	84.1	85.1	85.4	85.6	86.1	86.7	87.1	88.1
59.5	62.8	67.7	76.4	77.8	82.0	84.1	85.7	86.6	87.0	87.3	87.7	88.4	88.8	89.8
59.8	63.2	68.1	77.0	78.4	83.0	85.3	87.1	88.0	88.4	88.7	89.1	89.8	90.2	91.2
59.8	63.2	68.1	77.2	78.6	83.6	86.0	88.1	89.3	89.7	90.0	90.5	91.1	91.6	92.6
59.8	63.2	68.1	77.2	78.7	83.8	86.6	88.9	90.5	91.0	91.4	91.9	92.6	93.1	94.1
59.8	63.2	68.2	77.3	78.7	83.9	86.7	89.1	90.9	91.5	92.0	92.8	93.9	94.7	96.6
59.8	63.2	68.2	77.3	78.7	83.9	86.7	89.1	91.0	91.7	92.2	93.0	94.3	95.4	99.8
59.8	63.2	68.2	77.3	78.7	83.9	86.7	89.1	91.0	91.7	92.2	93.0	94.3	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7426

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAR

CEILING VERSUS VISIBILITY

3404- RITBURG AB GERMANY

9-75

101

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	17.2	17.7	19.1	20.5	20.7	21.4	21.8	22.0	22.1	22.7	22.9	22.9	23.4	23.4	24.2									
2	18.8	19.2	20.7	22.5	22.7	23.6	24.0	24.2	24.4	25.0	25.1	25.3	25.7	25.7	26.6									
3	19.8	19.2	20.7	22.5	22.7	23.6	24.0	24.2	24.4	25.0	25.1	25.3	25.7	25.7	26.6									
4	19.8	19.2	20.7	22.5	22.7	23.6	24.0	24.2	24.4	25.0	25.1	25.3	25.7	25.7	26.6									
5	19.8	19.2	20.7	22.5	22.7	23.6	24.0	24.2	24.4	25.0	25.1	25.3	25.7	25.7	26.6									
6	19.9	19.4	20.8	22.6	22.9	23.7	24.1	24.4	24.5	25.1	25.3	25.4	25.8	25.8	26.7									
7	19.4	19.8	21.2	23.0	23.2	24.1	24.6	24.9	25.0	25.7	25.9	25.9	26.4	26.4	27.3									
8	19.9	20.4	21.8	23.7	24.0	24.9	25.4	25.7	25.8	26.5	26.6	26.7	27.1	27.1	28.0									
9	20.7	21.1	22.4	24.7	25.4	26.3	26.7	27.1	27.3	27.9	28.0	28.1	28.6	28.6	29.5									
10	20.9	21.4	22.8	24.9	25.6	26.5	26.9	27.4	27.5	28.1	28.3	28.4	28.6	28.8	29.7									
11	21.0	21.5	23.0	25.3	25.9	26.8	27.3	27.7	27.8	28.5	28.6	28.7	29.1	29.1	30.0									
12	22.4	22.6	24.4	26.6	27.6	28.7	29.1	29.6	29.8	30.5	30.6	30.7	31.1	31.1	32.0									
13	24.8	25.5	27.1	29.7	30.5	31.7	32.1	32.6	32.8	33.5	33.6	33.7	34.1	34.1	35.0									
14	25.4	27.0	28.7	31.5	32.3	33.7	34.1	34.6	34.8	35.5	35.6	35.7	36.2	36.2	37.0									
15	28.8	29.0	31.4	34.4	35.2	36.6	37.0	37.5	37.7	38.4	38.5	38.6	39.0	39.0	39.9									
16	32.6	33.4	35.2	38.5	39.3	40.7	41.2	41.6	41.8	42.5	42.6	42.7	43.3	43.3	44.2									
17	35.8	36.7	38.5	42.4	43.2	44.6	45.1	45.5	45.7	46.4	46.5	46.6	47.2	47.2	48.1									
18	41.7	42.7	45.1	49.2	49.9	51.6	52.1	52.6	53.2	53.8	53.9	54.1	54.6	54.6	55.5									
19	42.7	43.7	46.1	50.4	51.2	52.8	53.3	53.8	54.4	55.1	55.2	55.3	55.8	55.8	56.7									
20	48.2	49.3	51.7	56.3	57.6	59.5	60.2	60.7	61.3	62.0	62.1	62.2	62.7	62.7	63.6									
21	54.9	56.1	58.5	63.5	64.8	67.3	68.0	68.5	69.1	69.7	69.9	70.0	70.5	70.5	71.4									
22	57.5	59.1	61.5	66.9	68.3	70.7	71.4	72.0	72.5	73.2	73.3	73.4	74.0	74.0	74.9									
23	59.0	60.4	63.0	68.3	69.7	72.4	73.1	73.6	74.2	74.9	75.0	75.1	75.6	75.6	76.5									
24	59.8	61.3	64.1	69.7	71.2	74.0	74.6	75.3	75.9	76.5	76.6	76.8	77.3	77.3	78.2									
25	61.0	62.5	66.0	72.0	73.5	76.4	77.1	77.9	78.4	79.1	79.2	79.3	79.9	79.9	80.8									
26	61.2	62.5	66.7	73.3	74.9	77.9	78.5	79.3	79.9	80.5	80.6	80.8	81.3	81.3	82.2									
27	61.6	63.3	67.5	74.7	76.3	79.9	80.9	81.6	82.4	83.1	83.2	83.3	83.9	83.9	84.8									
28	62.0	63.7	68.0	76.0	77.6	81.6	83.0	83.8	84.5	85.2	85.3	85.4	86.0	86.0	86.9									
29	62.1	63.8	68.2	76.5	78.3	82.5	84.0	85.1	86.3	87.0	87.1	87.3	87.9	87.9	89.1									
30	62.1	63.6	68.2	76.5	78.3	82.8	84.6	86.3	88.1	89.0	89.1	89.4	90.4	90.9	93.8									
31	62.1	63.8	68.2	76.5	78.3	82.8	84.6	86.3	88.2	89.2	89.4	89.9	91.7	93.1	99.9									
32	62.1	63.8	68.2	76.5	78.3	82.8	84.6	86.3	88.2	89.2	89.4	89.9	91.7	93.1	100.0									

TOTAL NUMBER OF OBSERVATIONS 859

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR EATER SERVICE/AF

CEILING VERSUS VISIBILITY

34040 BITEBURG AB GERMANY

0-70

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

12.7	13.0	13.6	15.0	15.4	16.2	16.7	16.8	16.9	17.1	17.1	17.1	17.2	17.6	19.4
13.7	14.3	15.2	16.6	16.9	17.2	18.9	19.0	19.2	19.5	19.5	19.5	19.6	19.9	21.7
13.7	14.3	15.0	16.6	16.9	17.2	18.9	19.0	19.2	19.5	19.5	19.5	19.6	19.9	21.7
13.7	14.3	15.2	16.6	16.9	17.2	18.9	19.0	19.2	19.5	19.5	19.5	19.6	19.9	21.7
13.7	14.3	15.0	16.6	16.9	17.2	18.9	19.0	19.2	19.5	19.5	19.5	19.6	19.9	21.7
13.8	14.5	15.1	16.7	17.0	17.4	19.0	19.1	19.4	19.6	19.6	19.6	19.7	20.8	21.8
14.4	15.2	15.9	17.6	17.9	17.4	20.0	20.1	20.4	20.6	20.6	20.6	20.7	21.0	22.8
14.8	15.5	16.1	17.9	18.2	17.7	20.4	20.5	20.7	20.9	20.9	20.9	21.0	21.4	23.1
15.6	16.2	17.4	19.2	19.7	21.1	21.8	22.0	22.2	22.5	22.5	22.5	22.6	22.9	24.7
15.8	16.2	17.0	19.5	19.9	21.4	22.0	22.2	22.5	22.7	22.7	22.7	22.8	23.1	24.9
15.8	16.5	17.6	19.5	19.9	21.4	22.0	22.2	22.5	22.7	22.7	22.7	22.8	23.1	24.9
17.5	18.4	19.6	21.7	22.2	22.9	24.6	24.8	25.0	25.3	25.3	25.3	25.4	25.7	27.5
19.4	20.4	21.6	23.7	24.4	25.5	27.1	27.4	27.6	27.8	27.8	27.8	27.9	28.3	30.0
22.0	23.0	24.2	26.6	27.3	28.4	30.0	30.4	30.6	30.8	30.8	30.8	30.9	31.3	33.1
23.6	24.6	25.8	28.1	28.8	30.9	31.7	32.0	32.3	32.5	32.5	32.5	32.6	32.9	34.8
26.7	27.8	29.0	31.5	32.1	33.2	35.0	35.4	35.6	35.8	35.8	35.8	35.9	36.3	38.2
29.4	30.6	32.3	35.3	35.9	37.0	38.8	39.2	39.4	39.6	39.6	39.6	39.7	40.0	41.9
34.4	35.9	37.9	41.3	41.9	44.2	44.9	45.5	45.9	46.2	46.3	46.4	46.5	46.6	48.7
36.4	37.9	40.0	43.4	44.0	46.6	47.4	47.9	48.4	48.6	48.7	48.8	48.9	49.3	51.2
41.7	42.4	45.6	49.3	50.5	53.3	54.1	54.6	55.2	55.4	55.5	55.6	55.7	56.1	58.1
45.8	47.5	50.3	54.6	56.0	59.3	60.2	60.7	61.3	61.5	61.6	61.7	61.8	62.2	64.2
51.3	52.1	54.8	59.8	61.2	64.6	65.6	66.3	66.9	67.1	67.2	67.3	67.4	67.7	69.7
51.3	53.3	56.1	61.1	62.4	65.9	66.9	67.5	68.1	68.3	68.4	68.5	68.6	69.0	71.0
53.6	55.8	59.0	64.2	65.5	69.1	70.1	70.7	71.3	71.5	71.6	71.7	71.9	72.2	74.4
55.2	57.5	60.7	66.3	67.6	71.5	72.7	73.4	74.0	74.2	74.3	74.4	74.5	74.9	77.1
55.7	58.1	61.3	67.3	68.7	73.0	74.3	75.0	76.0	76.2	76.3	76.4	76.5	76.9	79.1
56.3	58.7	62.3	69.1	70.5	75.4	76.9	77.6	78.6	78.9	79.0	79.2	79.3	79.6	81.9
56.4	58.8	62.5	70.3	72.0	77.3	79.2	80.2	81.2	81.4	81.5	81.9	82.0	82.3	84.5
56.4	58.8	62.5	71.0	72.7	78.6	81.2	82.9	84.0	84.2	84.4	84.8	85.1	85.4	88.1
56.4	59.0	62.7	71.1	72.9	78.8	81.8	83.6	85.2	85.4	85.7	86.3	87.5	88.8	92.7
56.4	59.0	62.7	71.1	72.9	78.8	81.8	83.6	85.3	85.7	86.1	86.8	88.8	91.2	99.1
56.5	59.1	62.8	71.3	73.1	79.0	82.0	83.9	85.5	85.9	86.3	87.0	89.2	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATELOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

34040 RITBURK AB CEF-ANY

9-7

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0300

10.8	11.2	11.5	12.5	12.9	13.4	13.9	14.7	15.0	15.1	15.4	15.6	15.6	15.8	17.5
11.9	12.5	12.7	13.9	14.5	15.0	15.7	16.5	16.9	17.1	17.4	17.6	17.6	17.9	19.7
11.9	12.5	12.7	13.9	14.5	15.0	15.7	16.5	16.9	17.1	17.4	17.6	17.6	17.9	19.7
11.9	12.5	12.7	13.9	14.5	15.0	15.7	16.5	16.9	17.1	17.4	17.6	17.6	17.9	19.7
12.0	12.5	12.8	14.0	14.6	15.1	15.8	16.6	17.0	17.3	17.5	17.7	17.7	18.0	19.8
12.0	12.5	12.8	14.0	14.6	15.1	15.8	16.6	17.0	17.3	17.5	17.7	17.7	18.0	19.8
12.0	12.5	12.9	14.1	14.7	15.3	16.1	16.9	17.4	17.6	17.8	18.3	18.3	18.6	20.4
12.2	12.8	13.1	14.4	14.9	15.5	16.4	17.1	17.6	17.8	18.0	18.5	18.5	18.8	20.5
12.7	14.3	14.6	15.8	16.4	16.9	17.8	18.6	19.0	19.3	19.5	19.9	19.9	20.3	22.0
12.8	14.4	14.8	16.3	16.6	17.1	18.0	18.8	19.3	19.5	19.8	20.3	20.3	20.6	22.4
14.0	14.6	15.0	16.3	16.8	17.4	18.3	19.0	19.5	19.8	20.0	20.5	20.5	20.6	22.6
15.5	16.3	16.7	18.0	18.7	19.4	20.3	21.0	21.5	21.8	22.0	22.5	22.5	22.8	24.6
16.9	17.5	18.0	19.5	20.2	20.9	21.8	22.6	23.1	23.4	23.6	24.1	24.1	24.4	26.2
18.7	19.5	19.9	21.7	22.4	23.3	24.3	25.2	25.6	25.9	26.2	26.6	26.6	26.9	28.7
20.7	21.5	22.0	23.9	24.6	25.5	26.5	27.4	27.8	28.2	28.4	28.8	28.8	29.2	31.0
23.2	24.1	24.9	26.9	27.6	28.8	29.8	30.7	31.2	31.5	31.7	32.2	32.2	32.5	34.3
25.5	26.7	27.8	30.2	31.0	32.3	33.3	34.2	34.6	35.0	35.2	35.6	35.6	36.0	37.8
27.0	30.2	31.5	34.2	35.0	36.3	37.3	38.4	38.9	39.2	39.4	39.9	39.9	40.2	42.0
30.5	32.2	33.5	36.2	37.0	38.3	39.3	40.6	41.1	41.4	41.8	42.2	42.2	42.5	44.3
35.1	37.8	39.1	42.4	43.4	45.1	46.2	47.7	48.2	48.6	48.9	49.4	49.4	49.8	51.6
40.4	42.2	43.9	47.7	48.7	50.8	52.2	53.8	54.5	54.8	55.1	55.7	55.7	56.1	57.9
45.4	47.4	49.4	53.5	54.7	57.1	58.8	60.5	61.0	61.4	61.7	62.2	62.2	62.7	64.5
46.5	48.6	50.6	54.7	55.9	58.4	60.0	61.7	62.2	62.6	62.9	63.5	63.5	63.9	65.7
48.2	50.6	53.1	57.5	58.7	61.2	63.0	64.7	65.3	65.6	65.9	66.5	66.5	66.9	68.7
50.0	52.6	54.9	60.0	61.2	63.9	65.8	67.8	68.4	68.7	69.0	69.6	69.6	70.0	71.8
51.5	54.3	56.7	62.3	63.6	66.7	68.6	70.7	71.3	71.6	71.9	72.5	72.6	73.1	74.8
52.7	55.5	58.5	64.9	66.1	70.3	72.5	74.8	75.5	75.8	76.2	76.7	76.9	77.4	79.2
53.1	56.0	59.1	66.6	68.2	72.6	75.2	77.7	78.4	78.7	79.1	79.5	79.8	80.3	82.2
53.2	56.1	59.5	67.0	68.7	73.9	77.3	80.3	81.4	82.3	82.6	83.7	83.5	84.1	86.9
53.2	56.1	59.5	67.3	68.9	74.3	78.0	81.8	83.2	84.3	84.9	85.7	87.6	88.8	93.3
53.2	56.1	59.5	67.3	68.9	74.3	78.0	82.1	83.4	84.5	85.1	86.0	88.5	91.0	99.8
53.2	56.1	59.5	67.3	68.9	74.3	78.0	82.1	83.4	84.5	85.1	86.0	88.5	91.0	100.0

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

3404- BITEURS AB GERANY

9-7

18X

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

7.4	9.0	10.2	11.4	12.7	12.9	13.1	13.7	14.1	14.2	14.7	14.2	14.3	14.4	15.6
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.0	18.0	18.0	18.1	18.3	20.0
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.0	18.0	18.0	18.1	18.3	20.0
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.0	18.0	18.0	18.1	18.3	20.0
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.0	18.0	18.0	18.1	18.3	20.0
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.0	18.0	18.0	18.1	18.3	20.0
12.1	12.4	13.4	15.4	16.2	17.2	17.8	18.7	19.3	19.4	19.4	19.6	19.7	20.0	21.7
12.1	12.6	13.6	15.6	16.3	17.3	17.9	18.9	19.6	19.7	19.7	19.8	19.9	20.4	22.0
12.1	13.0	14.0	16.0	17.3	17.4	19.0	20.0	20.7	20.8	20.8	20.9	21.0	21.6	23.7
12.3	13.8	14.8	16.8	17.6	17.7	19.2	20.2	20.9	21.0	21.0	21.1	21.2	21.8	23.9
12.4	14.0	15.1	17.1	17.9	18.0	19.5	20.6	21.2	21.3	21.3	21.4	21.6	22.1	23.8
13.1	14.7	15.8	18.0	18.8	18.9	20.4	21.4	22.1	22.2	22.2	22.3	22.4	23.0	24.7
15.6	16.1	17.2	19.0	20.3	21.4	22.0	23.0	23.7	23.8	23.8	23.9	24.0	24.6	26.2
17.4	18.2	19.3	21.5	22.5	23.8	24.3	25.4	26.1	26.2	26.2	26.3	26.4	27.0	28.7
17.9	18.7	19.9	22.4	23.2	24.6	25.1	26.2	26.9	27.0	27.0	27.1	27.2	27.8	29.4
19.3	20.3	21.9	24.9	25.9	27.3	28.0	29.2	29.9	30.0	30.0	30.1	30.2	30.8	32.7
21.9	23.2	25.0	28.0	29.7	31.1	31.8	33.0	33.8	33.9	33.9	34.0	34.1	34.7	36.6
27.3	29.1	31.1	35.1	36.3	37.9	38.7	39.9	40.8	40.9	40.9	41.0	41.1	41.7	43.6
30.0	31.8	33.8	37.9	39.1	40.8	41.6	42.9	43.9	44.0	44.0	44.1	44.2	44.8	46.7
34.3	36.3	38.6	43.7	45.0	47.0	48.2	49.6	50.7	50.8	50.8	50.9	51.0	51.6	53.4
40.0	42.3	44.7	50.6	51.9	54.6	56.2	57.9	59.1	59.2	59.2	59.3	59.4	60.0	61.9
42.8	45.3	47.8	54.3	55.7	58.4	60.2	61.9	63.2	63.3	63.3	63.4	63.6	64.1	66.0
43.4	46.0	48.6	55.1	56.4	59.2	61.0	62.7	64.0	64.1	64.1	64.2	64.3	64.9	66.8
46.2	48.9	51.9	58.7	60.0	63.1	65.0	66.7	68.0	68.1	68.1	68.2	68.3	68.9	70.8
47.7	50.9	54.1	61.2	62.9	66.0	68.2	70.0	71.4	71.6	71.6	71.7	71.8	72.3	74.2
49.7	52.0	55.4	62.9	64.8	68.3	71.0	72.8	74.2	74.3	74.3	74.4	74.6	75.1	77.0
49.8	52.2	55.8	64.1	66.1	70.2	73.6	75.3	77.1	77.2	77.2	77.3	77.4	78.0	79.9
48.8	52.3	56.1	65.2	67.3	72.0	75.8	77.6	79.8	79.9	79.9	80.0	80.1	80.7	82.6
48.8	52.3	56.1	65.3	67.4	72.3	76.6	79.3	82.7	82.8	82.8	83.0	83.3	84.1	86.3
48.8	52.3	56.1	65.3	67.4	72.6	77.1	80.0	83.9	84.4	84.8	85.3	87.0	88.9	92.6
48.8	52.3	56.1	65.3	67.4	72.6	77.2	80.2	84.2	84.9	85.2	85.9	87.9	90.7	99.8
48.8	52.3	56.1	65.3	67.4	72.6	77.2	80.2	84.2	84.9	85.2	85.9	87.9	90.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

CEILING VERSUS VISIBILITY

Q-7.

1200-1400

17.4	11.1	12.2	14.3	14.4	14.7	15.1	15.1	15.2	15.2	15.2	15.2	15.5	15.5	15.9
17.1	14.2	15.4	18.2	17.3	17.7	19.1	19.1	19.2	19.2	19.2	19.2	19.3	19.6	20.2
17.2	14.3	15.5	18.3	17.4	17.9	19.3	19.3	19.4	19.4	19.4	19.4	19.5	19.8	20.4
17.2	14.3	15.5	18.3	17.4	17.9	19.3	19.3	19.4	19.4	19.4	19.4	19.5	19.8	20.4
17.2	14.3	15.5	18.3	17.4	17.9	19.4	19.4	19.6	19.6	19.6	19.6	19.7	19.9	20.1
17.4	14.7	15.9	18.7	17.8	18.3	19.8	19.8	19.9	19.9	19.9	20.0	20.2	20.5	20.9
17.9	15.1	16.4	19.0	19.7	20.2	20.8	20.8	20.9	20.9	20.9	21.0	21.2	21.4	21.9
17.5	15.2	17.3	20.0	20.7	21.2	21.8	21.8	21.9	21.9	21.9	22.0	22.2	22.4	22.9
17.9	17.4	19.1	22.2	22.3	22.9	23.4	23.4	23.6	23.6	23.6	23.7	23.9	24.1	24.6
17.9	17.6	19.3	22.5	22.7	23.2	23.8	23.8	23.9	23.9	23.9	24.0	24.2	24.4	24.9
18.3	18.1	19.7	22.8	23.0	23.6	24.1	24.1	24.2	24.2	24.2	24.3	24.6	24.8	25.2
17.1	18.9	20.4	23.7	23.8	24.3	24.9	24.9	25.0	25.0	25.0	25.1	25.3	25.5	26.0
17.1	20.0	21.5	25.1	25.1	25.8	26.3	26.3	26.4	26.4	26.4	26.6	26.8	27.0	27.4
27.1	22.0	23.5	27.1	27.1	27.8	28.3	28.3	28.4	28.4	28.4	28.6	28.8	29.0	29.4
27.7	24.0	26.2	29.6	29.9	31.0	31.1	31.1	31.2	31.2	31.2	31.3	31.6	31.8	32.2
24.8	20.9	26.7	32.4	32.6	33.2	33.6	33.8	33.9	33.9	33.9	34.1	34.2	34.4	35.0
27.9	30.0	32.4	36.4	36.8	37.7	38.2	38.2	38.3	38.3	38.3	38.4	38.7	38.9	39.4
34.1	38.7	40.9	45.2	45.6	46.4	47.1	47.1	47.2	47.2	47.2	47.3	47.6	47.8	48.3
39.0	41.8	43.8	48.2	48.6	49.4	50.1	50.1	50.2	50.2	50.2	50.3	50.6	50.8	51.3
46.7	50.0	52.2	57.7	58.2	59.1	60.0	60.0	60.1	60.1	60.1	60.2	60.4	60.7	61.2
55.9	58.0	60.9	67.2	67.8	68.1	70.1	70.1	70.2	70.2	70.2	70.3	70.6	70.8	71.3
57.1	61.0	63.3	70.1	70.8	72.4	73.6	73.7	73.8	73.8	73.8	73.9	74.1	74.3	74.9
57.8	61.5	64.1	71.1	71.3	73.4	74.6	74.7	74.8	74.8	74.8	74.9	75.1	75.3	75.9
58.2	62.6	65.4	72.9	73.6	75.6	76.9	77.1	77.4	77.4	77.4	77.6	77.8	78.0	78.6
58.9	63.3	66.4	74.9	75.6	77.7	79.6	79.8	80.2	80.2	80.2	80.3	80.6	80.8	81.3
59.1	63.0	66.8	76.1	77.0	79.2	81.2	81.4	82.0	82.0	82.0	82.1	82.2	82.4	83.2
59.7	63.7	67.9	76.8	78.0	80.9	83.2	83.4	84.2	84.2	84.2	84.3	84.4	84.7	85.4
59.3	63.9	67.3	77.1	78.3	81.8	84.6	85.2	86.3	86.3	86.3	86.4	86.6	86.8	87.6
59.3	63.9	67.3	77.1	78.7	82.2	85.4	86.9	88.6	89.2	89.4	90.0	92.2	93.3	94.6
59.4	64.0	67.4	77.2	78.8	82.3	85.6	87.0	88.8	89.4	89.7	90.4	92.9	94.7	99.9
59.4	64.0	67.4	77.2	78.8	82.3	85.6	87.0	88.8	89.4	89.7	90.4	92.9	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AF

CEILING VERSUS VISIBILITY

34043 RITBURG AB GERMANY

9-7

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

14.7	15.2	16.1	17.6	17.7	18.0	18.5	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
18.2	19.2	20.4	22.4	22.5	22.8	23.2	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
19.2	19.2	20.4	22.4	22.6	22.9	23.4	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
19.2	19.2	20.4	22.4	22.6	22.9	23.4	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
19.2	19.2	20.4	22.4	22.6	22.9	23.4	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
19.9	19.9	21.0	23.0	23.2	23.6	24.0	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
20.2	21.2	22.5	24.6	24.8	25.3	25.7	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
21.0	22.1	23.4	25.5	25.7	26.1	26.6	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
23.5	24.6	25.8	27.9	28.3	29.0	29.5	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
23.6	24.6	26.0	28.1	28.5	29.3	29.7	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
23.7	24.9	26.1	28.3	28.6	29.4	29.8	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
24.9	26.1	27.4	29.6	29.9	30.8	31.4	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
24.9	27.7	29.1	31.9	32.3	33.1	33.8	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
24.9	30.5	32.0	34.0	35.2	36.0	36.7	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
32.7	34.4	35.9	39.0	39.4	40.3	40.9	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
37.2	38.9	40.6	43.9	44.4	45.3	46.2	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
42.0	44.0	45.8	49.4	49.8	50.8	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
42.3	51.7	53.5	57.5	58.1	59.2	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
50.6	53.1	54.9	59.0	59.6	60.7	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
56.6	59.8	62.0	67.2	67.9	69.0	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
61.3	64.8	67.0	72.4	73.1	74.4	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
62.4	66.3	68.7	75.0	75.8	77.5	79.0	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
62.6	66.7	69.2	75.5	76.3	78.2	79.6	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
63.6	68.2	70.9	77.8	78.5	80.8	82.5	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
64.0	68.7	71.9	79.1	79.9	82.3	84.1	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
64.1	68.9	72.0	79.4	80.2	83.1	84.9	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
64.1	68.9	72.1	80.0	80.8	84.0	86.2	87.0	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9
64.1	68.9	72.1	80.0	80.9	84.4	87.1	88.1	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9
64.1	68.9	72.2	80.2	81.2	85.0	87.9	89.3	91.2	91.4	91.7	92.1	92.3	92.5	92.8	92.8
64.1	68.9	72.2	80.2	81.2	85.0	87.9	89.4	92.0	92.5	92.8	93.7	94.0	94.8	95.9	95.9
64.1	68.9	72.2	80.2	81.2	85.0	87.9	89.4	92.3	92.9	93.2	94.1	94.7	95.4	100.0	100.0
64.1	68.9	72.2	80.2	81.2	85.0	87.9	89.4	92.3	92.9	93.2	94.1	94.7	95.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAF

CEILING VERSUS VISIBILITY

34042

BITBURG AB GERMANY

9-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
8.7	21.0	21.4	21.9	23.5	23.8	24.1	24.4	24.4	24.4	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
3.6	24.6	24.9	25.5	27.5	28.0	28.4	28.7	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
3.7	24.6	24.9	25.5	27.5	28.0	28.4	28.7	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
3.7	24.6	24.9	25.5	27.5	28.0	28.4	28.7	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
3.7	24.6	24.9	25.5	27.5	28.0	28.4	28.7	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
4.4	24.9	25.3	25.9	28.0	28.4	28.8	29.2	29.2	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
6.0	25.7	26.1	26.7	28.7	29.2	29.6	30.0	30.0	30.0	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
6.2	27.2	27.5	28.2	30.2	30.6	31.1	31.4	31.4	31.4	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
9.8	27.8	28.3	28.1	31.3	31.8	32.3	32.6	32.6	32.6	32.7	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
10.0	28.6	29.1	29.8	32.1	32.6	33.1	33.4	33.4	33.4	33.5	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
0.1	29.1	29.5	30.3	32.5	33.1	33.5	33.9	33.9	33.9	34.0	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
1.7	31.0	31.4	32.2	34.5	35.1	35.5	36.0	36.0	36.0	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
4.1	34.0	34.5	35.7	38.4	39.0	39.4	39.9	39.9	39.9	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
7.0	36.1	36.0	36.1	41.1	41.6	42.1	42.5	42.5	42.5	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
1.3	39.8	40.3	41.9	45.2	45.8	46.2	46.7	46.7	46.7	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
6.5	42.3	42.9	44.8	48.3	48.9	49.3	49.8	49.8	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
2.1	46.2	46.8	48.7	53.1	53.8	54.2	54.7	54.7	54.7	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
0.7	52.3	52.9	55.0	59.9	60.6	61.0	61.8	61.8	61.8	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
2.3	53.3	53.9	56.2	61.5	62.1	62.6	63.4	63.4	63.4	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
0.5	58.9	59.6	62.1	67.5	68.3	68.8	69.7	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
6.2	64.1	65.1	68.2	73.8	74.6	75.3	76.2	76.2	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
9.6	65.7	67.3	70.5	76.9	77.7	78.6	79.5	79.6	79.7	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
0.3	66.3	67.8	71.0	77.5	78.3	79.2	80.1	80.2	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
3.4	66.8	68.9	72.3	78.6	79.6	81.0	81.8	82.0	82.1	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
5.0	67.5	69.7	73.1	80.2	81.1	82.5	83.6	83.9	84.0	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
5.9	67.6	69.8	74.1	81.4	82.3	84.2	85.3	85.6	85.7	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
7.9	67.6	69.8	74.3	81.6	82.6	85.2	86.6	87.3	87.4	87.5	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
9.9	67.7	69.9	74.4	81.8	83.0	86.1	87.6	88.3	88.4	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2.8	67.7	69.9	74.5	82.3	83.4	87.1	89.0	89.8	90.2	90.3	90.8	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
5.9	67.7	69.9	74.5	82.3	83.4	87.3	89.4	90.5	91.6	91.5	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
0.0	67.7	69.9	74.5	82.3	83.4	87.3	89.4	90.8	91.9	92.0	92.4	92.5	93.8	94.7	99.7						
0.0	67.7	69.9	74.5	82.3	83.4	87.3	89.4	90.8	91.9	92.0	92.7	92.8	94.1	95.0	100.0						

TOTAL NUMBER OF OBSERVATIONS 878

CEILING VERSUS VISIBILITY

. 9-75

434

2100-2300

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 RITBUK AB GERMANY

9-78

NUV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	0	10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
0-100	14.8	15.2	16.0	17.5	17.7	16.2	18.6	18.9	19.1	19.2	19.3	19.3	19.4	19.6	20.3																	
100-200	17.1	17.7	18.6	20.4	20.7	21.4	21.9	22.2	22.4	22.6	22.7	22.7	22.8	23.0	23.8																	
200-300	17.2	17.7	18.6	20.4	20.8	21.4	21.9	22.2	22.5	22.6	22.7	22.6	22.9	23.0	23.9																	
300-400	17.2	17.7	18.6	20.4	20.8	21.4	21.9	22.2	22.5	22.6	22.7	22.6	22.9	23.0	23.9																	
400-500	17.2	17.7	18.6	20.5	20.8	21.5	21.9	22.3	22.5	22.7	22.7	22.8	22.9	23.0	23.9																	
500-600	17.4	17.8	18.8	20.7	21.0	21.7	22.2	22.5	22.7	22.9	22.9	23.0	23.1	23.3	24.1																	
600-700	17.9	18.5	19.5	21.4	21.8	22.5	23.1	23.4	23.6	23.8	23.9	23.9	24.1	24.2	25.1																	
700-800	18.5	19.2	20.1	22.1	22.5	23.2	23.8	24.1	24.3	24.5	24.6	24.7	24.8	25.0	25.8																	
800-900	19.7	20.3	21.4	23.5	24.0	24.8	25.3	25.7	25.9	26.1	26.2	26.3	26.4	26.6	27.4																	
900-1000	19.9	20.7	21.7	23.8	24.3	25.1	25.7	26.0	26.3	26.5	26.5	26.6	26.7	26.9	27.8																	
1000-1200	20.1	20.9	22.0	24.1	24.6	25.4	25.9	26.3	26.5	26.7	26.8	26.9	27.0	27.2	28.0																	
1200-1400	21.5	22.3	23.4	25.7	26.2	27.1	27.7	28.1	28.3	28.5	28.6	28.7	28.8	29.0	29.8																	
1400-1600	22.5	24.4	25.6	28.1	28.6	29.6	30.2	30.6	30.8	31.0	31.1	31.2	31.3	31.5	32.4																	
1600-1800	25.6	26.5	27.8	30.4	31.0	32.0	32.6	33.0	33.3	33.5	33.5	33.6	33.7	33.9	34.8																	
1800-2000	28.0	28.9	30.3	33.1	33.6	34.7	35.3	35.7	36.0	36.2	36.2	36.3	36.5	36.6	37.5																	
2000-2200	30.8	31.9	33.4	36.5	37.1	38.2	38.8	39.2	39.5	39.7	39.8	39.9	40.0	40.2	41.1																	
2200-2400	33.9	35.2	36.9	40.4	41.1	42.3	42.9	43.4	43.6	43.8	43.9	44.0	44.1	44.3	45.2																	
2400-2600	39.9	41.4	43.4	47.2	47.9	49.2	50.0	50.5	50.8	51.0	51.1	51.2	51.4	51.6	52.5																	
2600-2800	41.7	43.2	45.2	49.2	49.9	51.3	52.0	52.6	52.9	53.1	53.2	53.4	53.5	53.7	54.6																	
2800-3000	47.4	49.1	51.3	56.0	57.0	58.5	59.4	60.0	60.4	60.6	60.7	60.8	60.9	61.1	62.1																	
3000-3200	53.0	54.9	57.4	62.5	63.5	65.5	66.5	67.1	67.6	67.8	67.9	68.0	68.1	68.3	69.3																	
3200-3400	55.7	58.0	60.4	66.3	67.3	69.5	70.6	71.3	71.8	72.0	72.1	72.2	72.4	72.6	73.5																	
3400-3600	55.6	58.9	61.5	67.2	68.3	70.5	71.6	72.3	72.8	73.0	73.1	73.2	73.4	73.6	74.5																	
3600-3800	57.8	60.4	63.3	69.4	70.5	72.9	74.1	74.8	75.4	75.6	75.7	75.8	75.9	76.1	77.1																	
3800-4000	58.9	61.7	64.8	71.4	72.6	75.1	76.6	77.4	77.9	78.2	78.3	78.4	78.5	78.7	79.7																	
4000-4200	59.4	62.2	65.6	72.7	74.0	76.8	78.4	79.2	79.8	80.1	80.2	80.3	80.5	80.7	81.7																	
4200-4400	59.7	62.6	66.2	73.9	75.2	78.7	80.6	81.6	82.4	82.6	82.7	82.9	83.0	83.3	84.2																	
4400-4600	59.8	62.8	66.5	74.7	76.2	80.2	82.4	83.5	84.5	84.7	84.8	85.0	85.2	85.4	86.4																	
4600-4800	59.9	62.8	66.6	75.1	76.7	81.0	83.6	85.2	86.6	87.0	87.2	87.4	87.8	88.2	89.6																	
4800-5000	59.9	62.8	66.6	75.1	76.7	81.1	84.0	86.0	87.8	88.4	88.7	89.3	90.5	91.5	94.2																	
5000-5200	59.9	62.9	66.6	75.1	76.7	81.2	84.1	86.1	88.1	88.7	89.1	89.7	91.4	93.1	99.7																	
5200-5400	59.9	62.9	66.7	75.2	76.8	81.2	84.1	86.1	88.2	88.8	89.2	89.8	91.5	93.1	100.0																	

TOTAL NUMBER OF OBSERVATIONS 7190

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAF

CEILING VERSUS VISIBILITY

34045 BITBURG AB GERMANY

R-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
12.5	13.5	14.5	15.5	16.5	17.0	17.2	18.7	18.9	19.3	19.3	19.3	19.4	20.1	20.2	20.7								
12.7	14.7	15.6	16.1	18.2	18.4	19.8	20.1	20.5	20.5	20.5	20.5	20.6	21.3	21.4	21.9								
13.7	14.7	15.6	16.1	18.2	18.4	19.8	20.1	20.5	20.5	20.5	20.5	20.6	21.3	21.4	21.9								
13.7	14.7	15.6	16.1	18.2	18.4	19.8	20.1	20.5	20.5	20.5	20.5	20.6	21.3	21.4	21.9								
13.7	14.7	15.6	16.1	18.2	18.4	19.8	20.1	20.5	20.5	20.5	20.5	20.6	21.3	21.4	21.9								
14.3	15.3	16.3	19.0	19.1	20.3	20.7	20.9	21.4	21.4	21.4	21.4	21.5	22.1	22.2	22.8								
14.6	15.5	16.5	19.3	19.4	20.6	21.0	21.3	21.7	21.7	21.7	21.7	21.8	22.4	22.5	23.1								
16.2	17.2	18.2	21.1	21.3	22.4	22.9	23.1	23.5	23.5	23.5	23.5	23.6	24.3	24.4	24.9								
16.3	17.3	18.3	21.3	21.4	22.5	23.0	23.2	23.6	23.6	23.6	23.6	23.7	24.4	24.5	25.0								
16.4	17.4	18.4	21.5	21.5	22.8	23.2	23.4	23.8	23.8	23.8	23.8	23.9	24.6	24.7	25.2								
16.7	17.7	18.8	21.8	21.9	23.3	23.7	23.9	24.4	24.4	24.4	24.4	24.5	25.1	25.2	25.8								
17.6	18.6	20.0	23.0	23.4	24.8	25.2	25.5	25.9	25.9	25.9	25.9	26.0	26.6	26.8	27.3								
19.1	20.1	21.7	24.8	25.2	26.6	27.2	27.4	27.8	27.8	27.8	27.8	27.9	28.6	28.7	29.2								
20.9	21.9	23.5	27.0	27.4	28.9	29.3	29.7	30.1	30.1	30.1	30.1	30.2	30.9	31.0	31.5								
23.3	24.4	26.2	29.7	30.1	31.6	32.3	32.6	33.0	33.0	33.0	33.0	33.1	33.8	33.9	34.4								
26.0	27.2	29.2	32.6	33.2	34.7	35.4	35.7	36.1	36.1	36.1	36.1	36.2	36.9	37.0	37.5								
30.0	32.3	34.7	38.5	38.9	40.5	41.1	41.4	41.9	41.9	41.9	41.9	42.0	42.6	42.7	43.3								
32.8	34.2	36.7	40.7	41.1	42.6	43.3	43.6	44.0	44.0	44.0	44.0	44.1	44.8	44.9	45.4								
36.1	39.5	42.3	46.4	46.8	48.3	49.0	49.3	49.7	49.7	49.7	49.7	49.8	50.5	50.6	51.1								
42.7	44.9	47.8	52.0	52.6	54.4	55.0	55.4	55.9	55.9	55.9	55.9	56.0	56.6	56.7	57.3								
45.0	47.1	50.2	54.6	55.3	57.2	58.1	58.8	59.2	59.2	59.2	59.2	59.3	60.0	60.1	60.6								
45.4	47.0	50.6	55.0	55.8	58.4	59.4	60.4	60.8	60.8	60.8	60.8	60.9	61.6	61.7	62.2								
46.1	48.3	51.6	56.3	57.1	59.7	60.9	62.0	62.7	62.7	62.7	62.7	62.8	63.4	63.5	64.1								
47.9	50.4	53.8	59.7	60.8	63.8	65.0	66.2	67.2	67.2	67.2	67.2	67.3	68.0	68.1	68.6								
48.7	51.2	55.2	61.5	62.7	65.7	67.4	68.9	69.9	69.9	69.9	69.9	70.0	70.7	70.8	71.3								
49.2	52.0	56.7	64.1	65.4	68.9	70.9	72.4	73.5	73.5	73.6	73.7	74.3	74.4	75.2									
49.9	53.0	58.1	65.8	67.1	71.0	74.0	76.1	77.1	77.2	77.3	77.5	78.3	78.4	79.3									
49.9	53.1	58.4	66.7	68.1	72.8	77.0	79.8	81.4	81.9	82.0	82.2	83.1	83.3	84.1									
49.9	53.2	58.5	66.8	68.2	72.9	77.2	80.3	83.0	83.7	84.1	84.5	85.3	87.7	91.2									
49.9	53.2	58.5	66.8	68.2	72.9	77.3	80.8	83.8	84.9	85.3	85.8	88.6	91.4	99.5									
49.9	53.2	58.5	66.8	68.3	73.0	77.5	80.9	83.9	85.0	85.4	85.9	88.7	91.5	100.0									

TOTAL NUMBER OF OBSERVATIONS 927

CEILING VERSUS VISIBILITY

8-77

DEC

0300-0500

	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11.7	12.4	13.5	15.9	16.2	17.0	17.4	17.6	17.8	17.8	18.0	18.2	18.2	18.6	19.0		
12.6	13.3	14.5	17.1	17.4	18.2	18.6	18.8	19.0	19.0	19.1	19.4	19.4	19.8	20.2		
12.8	13.5	14.7	17.3	17.6	18.4	18.8	19.0	19.2	19.2	19.4	19.6	19.6	20.0	20.4		
12.8	13.5	14.7	17.3	17.6	18.4	18.8	19.0	19.2	19.2	19.4	19.6	19.6	20.0	20.4		
12.8	13.5	14.7	17.3	17.6	18.4	18.8	19.0	19.2	19.2	19.4	19.6	19.6	20.0	20.4		
12.9	13.7	14.8	17.4	17.7	18.5	18.9	19.1	19.4	19.4	19.5	19.7	19.7	20.1	20.5		
12.9	13.9	15.1	17.6	18.0	18.7	19.1	19.4	19.6	19.6	19.7	19.9	19.9	20.3	20.8		
12.9	13.9	15.2	17.7	18.1	18.8	19.2	19.5	19.7	19.7	19.8	20.0	20.0	20.4	20.9		
14.6	15.6	17.0	19.7	20.0	20.8	21.2	21.4	21.6	21.6	21.7	21.9	21.9	22.4	22.8		
14.9	15.9	17.3	20.0	20.3	21.1	21.5	21.7	21.9	21.9	22.0	22.3	22.3	22.7	23.1		
15.3	16.2	17.6	20.3	20.6	21.4	21.8	22.0	22.3	22.3	22.4	22.6	22.6	23.0	23.4		
15.8	16.8	18.2	21.2	21.5	22.3	22.8	23.1	23.3	23.3	23.4	23.7	23.7	24.1	24.5		
15.8	18.9	20.3	23.3	24.2	24.9	25.5	26.0	26.2	26.2	26.3	26.6	26.6	27.0	27.4		
19.8	20.8	22.3	25.6	26.5	27.2	27.7	28.5	28.7	28.7	28.8	29.0	29.0	29.5	29.9		
21.8	22.6	24.3	28.0	28.9	29.7	30.2	31.2	31.4	31.4	31.5	31.7	31.7	32.2	32.6		
23.9	24.8	26.3	30.1	31.1	31.8	32.4	33.4	33.7	33.7	33.8	34.0	34.0	34.5	34.9		
26.0	27.0	28.8	32.8	33.8	34.6	35.2	36.2	36.5	36.5	36.6	36.8	36.8	37.3	37.7		
29.5	30.6	33.0	37.3	38.3	39.1	39.7	40.9	41.1	41.1	41.2	41.4	41.4	41.9	42.4		
31.1	32.3	34.8	39.1	40.1	41.1	41.6	42.8	43.0	43.0	43.1	43.3	43.3	43.9	44.3		
35.1	36.7	39.5	44.1	45.1	46.2	46.8	48.1	48.3	48.3	48.4	48.6	48.6	49.1	49.6		
40.1	41.1	44.4	49.7	50.8	52.2	52.8	54.2	54.5	54.5	54.6	54.8	54.8	55.4	55.8		
41.9	44.3	47.8	53.2	54.3	55.7	56.3	57.8	58.3	58.3	58.4	58.6	58.6	59.1	59.6		
42.4	44.9	48.6	54.1	55.2	56.6	57.5	59.0	59.5	59.5	59.6	59.8	59.8	60.3	60.8		
44.1	46.8	50.5	56.6	57.6	59.6	60.6	62.2	62.6	62.6	62.7	62.9	62.9	63.4	63.9		
45.6	48.5	52.5	59.4	60.5	63.1	64.4	65.9	66.6	66.6	66.7	66.9	66.9	67.4	67.8		
45.7	48.6	52.8	59.9	61.1	63.9	65.3	66.9	67.5	67.5	67.6	67.8	67.8	68.4	68.8		
46.0	49.4	54.0	62.3	63.8	67.4	68.9	70.5	71.5	71.5	71.6	71.8	71.8	72.5	73.4		
46.2	49.7	54.9	64.0	65.7	69.9	72.8	74.9	76.2	76.2	76.3	76.7	76.7	77.3	78.4		
46.2	49.7	55.2	64.7	66.5	71.2	74.7	77.6	79.6	79.8	79.9	80.4	80.4	81.1	82.5		
46.2	49.7	55.2	64.9	66.9	71.9	75.9	79.6	82.4	82.7	83.2	84.2	85.7	87.3	91.4		
46.2	49.7	55.2	64.9	66.9	71.9	75.9	79.7	82.7	83.0	83.9	85.2	88.0	90.4	99.6		
46.2	49.7	55.2	64.9	66.9	71.9	75.9	79.7	82.7	83.0	83.9	85.2	88.0	90.5	100.0		

TOTAL NUMBER OF OBSERVATIONS 530

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

3404- BITBURG AB GERMANY

5-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0000

11.7	12.7	14.2	15.6	16.1	17.0	17.2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	18.4
11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
12.2	13.1	14.4	16.2	16.8	17.8	18.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4	19.2
12.5	13.5	14.8	16.8	17.3	17.4	18.6	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.8
13.3	14.0	16.1	18.3	18.8	17.9	20.1	20.4	20.4	20.4	20.4	20.4	20.4	20.4	21.3
14.2	15.5	17.3	19.6	20.1	21.2	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	22.6
14.7	15.5	17.3	19.6	20.1	21.2	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	22.6
14.3	15.0	17.4	20.0	20.5	21.6	22.2	22.5	22.5	22.5	22.5	22.5	22.5	22.5	23.3
16.0	17.4	19.4	22.0	22.8	25.9	24.4	24.7	24.8	24.9	24.9	24.9	24.9	24.9	25.8
17.3	18.7	20.0	23.3	24.1	25.4	26.0	26.5	26.6	26.7	26.7	26.7	26.7	26.7	27.5
18.8	20.2	22.2	25.3	26.1	27.8	28.6	29.1	29.2	29.4	29.4	29.4	29.4	29.4	30.2
20.6	22.0	24.1	27.0	28.5	30.3	31.1	31.8	31.9	32.0	32.0	32.0	32.0	32.0	32.9
22.3	23.7	25.9	29.8	30.6	32.5	33.2	34.0	34.1	34.2	34.2	34.2	34.2	34.2	35.1
27.2	28.8	31.3	35.5	36.6	37.7	39.6	40.3	40.5	40.6	40.6	40.6	40.6	40.6	41.6
29.0	30.8	33.2	37.4	38.5	40.8	41.6	42.4	42.6	42.7	42.7	42.7	42.7	42.7	43.8
32.2	35.3	37.7	42.2	43.2	45.5	46.5	47.3	47.5	47.6	47.6	47.6	47.6	47.6	48.8
37.4	39.7	42.5	47.4	48.8	51.5	52.7	53.7	53.9	54.0	54.0	54.0	54.0	54.0	55.2
40.9	43.4	47.1	52.4	53.9	56.6	57.8	58.8	59.1	59.2	59.2	59.2	59.2	59.2	60.4
41.2	44.2	47.8	53.3	54.9	57.8	59.6	60.5	60.9	61.0	61.0	61.0	61.0	61.0	62.2
42.0	45.2	48.9	54.9	56.6	59.7	61.4	62.4	62.8	62.9	62.9	62.9	62.9	62.9	64.1
43.2	46.8	50.6	57.2	59.0	62.5	64.5	65.5	65.9	66.0	66.0	66.0	66.0	66.0	67.2
43.7	47.2	51.4	58.1	59.9	63.7	65.9	66.9	67.3	67.4	67.4	67.4	67.4	67.4	68.6
44.8	48.9	53.4	61.2	63.3	66.0	70.4	71.5	72.5	72.6	72.6	72.6	72.6	72.6	74.1
45.3	49.4	54.2	62.6	64.7	69.9	73.3	75.3	76.7	76.9	76.9	76.9	76.9	76.9	78.4
45.4	49.5	54.5	63.3	65.6	71.3	75.6	77.7	79.5	80.1	80.4	80.5	81.0	81.3	82.4
45.4	49.6	54.6	63.5	65.8	71.5	76.5	79.8	82.3	83.8	84.4	85.4	87.1	88.6	92.8
45.4	49.6	54.6	63.5	65.8	71.6	76.6	79.9	82.7	84.3	85.1	86.1	89.1	91.6	99.8
45.4	49.6	54.6	63.5	65.8	71.6	76.6	79.9	82.7	84.3	85.1	86.1	89.1	91.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3409-1 BITBURG AB GERMANY

8-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1000	9.1	10.9	12.4	14.4	14.5	14.7	15.1	15.3	15.8	15.8	15.9	16.0	16.3	16.4	16.6															
900	10.9	12.8	14.5	17.1	17.2	17.5	18.0	18.3	18.8	18.8	18.9	19.1	19.3	19.4	19.6															
800	10.9	12.9	14.6	17.2	17.3	17.7	18.1	18.4	18.9	18.9	19.1	19.2	19.4	19.5	19.7															
700	11.0	13.0	14.7	17.3	17.4	17.8	18.2	18.5	19.1	19.1	19.2	19.3	19.5	19.6	19.8															
600	11.1	13.1	14.9	17.4	17.5	17.9	18.3	18.6	19.2	19.2	19.3	19.4	19.6	19.7	19.9															
500	11.1	13.1	14.9	17.5	17.9	18.2	18.6	18.9	19.5	19.5	19.5	19.6	20.0	20.1	20.3															
400	11.7	13.8	15.5	18.5	18.6	18.9	19.4	19.7	20.2	20.2	20.3	20.6	20.8	20.9	21.1															
300	11.7	13.8	15.6	18.6	18.7	19.2	19.6	19.9	20.5	20.5	20.6	20.8	21.0	21.1	21.3															
200	12.1	14.1	16.1	19.5	20.0	20.5	20.9	21.2	21.7	21.7	21.9	22.1	22.3	22.4	22.6															
100	12.4	14.4	16.5	20.1	20.5	20.9	21.4	21.7	22.3	22.3	22.4	22.6	22.8	22.9	23.1															
0	12.6	14.7	17.2	21.1	21.5	22.0	22.5	22.9	23.6	23.6	23.7	23.9	24.1	24.2	24.4															
1000	13.5	15.6	18.1	22.1	22.5	23.0	23.7	24.1	24.8	24.8	24.9	25.1	25.4	25.5	25.7															
900	14.2	16.7	19.3	23.2	23.7	24.2	24.9	25.4	26.0	26.0	26.2	26.4	26.7	26.8	27.0															
800	14.4	18.9	21.6	26.2	26.7	27.4	28.5	29.2	30.1	30.1	30.2	30.5	30.9	31.0	31.2															
700	18.7	21.5	24.3	29.1	29.6	30.6	31.6	32.3	33.3	33.3	33.4	33.6	34.1	34.2	34.4															
600	21.0	23.8	26.6	32.0	32.5	33.8	35.0	36.0	36.9	36.9	37.0	37.2	37.8	37.9	38.1															
500	25.7	28.0	30.9	36.6	37.4	38.1	40.7	41.8	42.9	42.9	43.1	43.6	44.1	44.2	44.5															
400	26.2	29.5	32.5	38.3	39.1	40.8	42.5	43.6	44.8	44.8	44.9	45.4	46.0	46.1	46.3															
300	29.6	33.3	36.6	43.1	43.8	45.2	48.1	49.4	50.6	50.6	50.7	51.2	51.8	52.0	52.2															
200	32.1	36.0	39.7	47.0	48.1	50.6	52.9	54.1	55.3	55.3	55.4	56.0	56.6	56.8	57.1															
100	33.3	38.3	42.9	50.7	51.9	54.7	56.9	58.4	59.6	59.7	59.8	60.4	61.1	61.4	61.6															
0	33.9	38.4	43.3	51.1	52.3	55.3	57.7	59.3	60.5	60.6	60.7	61.2	62.0	62.2	62.4															
1000	35.1	39.8	45.2	54.2	55.5	58.7	61.2	63.0	64.2	64.3	64.4	64.7	65.7	65.9	66.2															
900	35.7	41.0	46.6	56.5	57.8	61.0	64.4	66.5	67.9	68.1	68.4	68.9	69.6	69.9	70.2															
800	36.3	41.6	47.4	57.7	59.1	62.8	66.5	68.9	70.4	70.6	70.8	71.4	72.1	72.4	72.8															
700	36.7	42.1	48.0	59.0	60.4	64.3	68.7	71.3	73.1	73.5	73.7	74.5	75.2	75.6	75.9															
600	36.8	42.3	48.3	59.4	60.0	64.2	70.6	73.8	76.0	76.7	77.0	77.6	78.6	78.9	79.2															
500	36.8	42.3	48.3	59.6	61.0	66.3	72.4	76.2	80.0	81.7	82.0	82.9	83.9	84.2	84.9															
400	36.8	42.3	48.3	59.8	61.2	66.6	72.9	77.0	82.1	84.1	85.1	86.3	88.5	90.2	94.5															
300	36.8	42.3	48.3	59.8	61.2	66.6	72.9	77.0	82.1	84.2	85.4	86.7	89.6	91.7	99.8															
200	36.3	42.3	48.3	59.8	61.2	66.6	72.9	77.0	82.1	84.2	85.4	86.7	89.6	91.7	100.0															

TOTAL NUMBER OF OBSERVATIONS 929

2

2

2

2

2

2

2

2

2

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34095 BITBURG AB GERMANY

R-77

300

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

1	12.4	13.9	14.5	16.0	16.1	16.7	17.1	17.3	17.8	17.9	18.0	18.0	18.0	18.0	18.4
2	13.7	15.2	15.9	18.0	18.3	18.7	20.1	20.3	20.8	20.9	21.0	21.0	21.0	21.0	21.4
3	14.0	15.5	16.4	19.2	19.4	20.2	20.7	20.9	21.3	21.4	21.5	21.5	21.5	21.5	22.0
4	14.2	15.3	16.4	19.2	19.4	20.2	20.7	20.9	21.3	21.4	21.5	21.5	21.5	21.5	22.0
5	14.2	15.7	16.6	19.4	19.6	20.5	20.9	21.1	21.5	21.6	21.7	21.7	21.7	21.7	22.2
6	14.5	16.0	16.9	19.7	19.9	20.8	21.2	21.4	21.9	22.0	22.1	22.1	22.1	22.1	22.5
7	15.2	16.7	17.7	21.3	21.6	22.6	23.0	23.3	23.7	23.8	23.9	23.9	23.9	23.9	24.3
8	15.4	17.0	18.3	22.0	22.3	23.3	23.7	23.9	24.3	24.4	24.5	24.5	24.5	24.5	25.0
9	16.3	18.0	20.0	23.7	24.0	25.0	25.4	25.6	26.0	26.2	26.3	26.3	26.3	26.3	26.7
10	16.6	18.3	20.5	24.1	24.4	25.4	25.8	26.0	26.5	26.6	26.7	26.7	26.7	26.7	27.1
11	16.7	18.4	20.6	24.2	24.5	25.6	26.0	26.3	26.7	26.8	26.9	26.9	26.9	26.9	27.3
12	17.3	19.1	21.3	25.0	25.3	26.4	26.8	27.0	27.4	27.5	27.7	27.7	27.7	27.7	28.1
13	18.1	19.9	22.4	26.0	26.5	27.6	28.0	28.4	29.0	29.1	29.2	29.2	29.2	29.2	29.6
14	19.3	21.1	23.9	27.6	28.3	29.4	29.8	30.2	30.8	30.9	31.0	31.0	31.0	31.0	31.4
15	21.1	22.9	25.7	29.9	30.5	31.9	32.3	32.7	33.3	33.4	33.5	33.5	33.5	33.5	33.9
16	24.5	26.7	30.0	34.3	35.1	37.0	37.7	38.1	38.6	38.9	39.0	39.0	39.0	39.0	39.4
17	27.7	30.0	33.9	38.5	39.3	41.7	42.4	42.8	43.6	43.7	43.8	43.8	43.8	43.8	44.2
18	32.5	34.9	39.3	44.2	45.2	47.9	48.7	49.3	50.1	50.2	50.3	50.3	50.3	50.3	50.7
19	37.5	36.1	40.6	45.5	46.5	49.2	49.9	50.6	51.3	51.5	51.6	51.6	51.6	51.6	52.0
20	39.2	41.3	46.4	52.1	53.2	56.0	56.8	57.7	58.7	58.8	58.9	58.9	58.9	58.9	59.3
21	42.4	46.1	51.8	57.9	59.2	62.4	63.6	64.6	65.6	65.6	65.9	65.9	65.9	65.9	66.3
22	43.5	47.4	53.3	59.6	60.9	64.3	65.7	67.0	68.1	68.5	68.6	68.6	68.6	68.6	69.0
23	43.9	48.2	54.1	60.7	62.2	65.6	67.2	68.5	69.6	70.0	70.1	70.1	70.1	70.1	70.5
24	44.8	49.2	55.4	62.2	63.7	67.5	69.3	71.2	72.7	73.0	73.1	73.1	73.1	73.1	73.5
25	45.1	49.7	56.5	63.6	65.3	69.4	71.4	73.3	75.0	75.5	75.6	75.6	75.6	75.6	76.0
26	45.4	50.2	57.2	65.0	66.6	71.2	73.2	75.3	77.2	77.7	77.8	77.8	77.8	77.8	78.3
27	45.4	50.3	57.3	65.3	67.2	72.3	74.6	77.1	79.1	79.7	79.9	79.9	79.9	79.9	80.3
28	45.5	50.4	57.4	65.7	67.7	73.8	76.7	79.5	81.9	82.6	82.8	82.8	82.8	82.8	83.2
29	45.5	50.4	57.5	65.8	67.8	74.6	77.7	81.1	84.3	85.7	86.0	86.2	86.4	86.4	87.2
30	45.5	50.4	57.5	65.8	67.8	74.6	77.8	81.3	84.7	86.4	87.4	88.3	89.8	90.6	94.3
31	45.5	50.4	57.5	65.8	67.8	74.6	77.8	81.3	84.8	86.7	87.7	88.8	90.7	92.1	99.6
32	45.5	50.4	57.5	65.8	67.8	74.6	77.8	81.3	84.8	86.7	87.7	88.8	90.7	92.1	100.0

TOTAL NUMBER OF OBSERVATIONS 929

2

Abstract

220472

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1

5

1

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34043 BIEBURG AB GERMANY

8-77

REC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

17.0	17.0	18.5	20.5	21.1	21.3	21.7	21.7	21.9	21.9	22.0	22.0	22.3	22.0	23.3
17.4	18.3	19.1	21.3	22.0	22.3	22.7	22.7	22.9	22.9	23.1	23.1	23.3	23.7	24.4
17.8	18.5	19.4	21.5	22.3	22.5	22.9	22.9	23.1	23.1	23.3	23.3	23.5	23.9	24.6
17.8	18.5	19.4	21.5	22.3	22.5	22.9	22.9	23.1	23.1	23.3	23.3	23.5	23.9	24.6
17.8	18.5	19.4	21.5	22.3	22.5	22.9	22.7	23.1	23.1	23.3	23.3	23.5	23.9	24.6
18.2	18.8	19.7	21.0	22.6	22.8	23.2	23.2	23.4	23.4	23.7	23.7	23.9	24.2	24.9
19.1	19.8	20.5	22.0	23.5	23.8	24.2	24.2	24.4	24.4	24.5	24.6	24.8	25.2	25.9
20.1	20.8	21.6	23.8	24.5	24.7	25.2	25.2	25.4	25.4	25.6	25.6	25.8	26.1	26.9
20.9	21.5	22.4	24.7	25.5	25.7	26.1	26.1	26.3	26.3	26.6	26.6	26.8	27.1	27.9
21.3	21.9	22.8	25.2	25.9	26.1	26.6	26.6	26.8	26.8	27.0	27.0	27.2	27.5	28.3
21.4	22.0	22.9	25.3	26.0	26.2	26.7	26.7	26.9	26.9	27.1	27.1	27.3	27.6	28.4
21.7	22.4	23.4	25.8	26.6	26.8	27.3	27.3	27.5	27.5	27.7	27.7	28.0	28.3	29.0
22.4	23.0	24.4	26.0	27.5	27.7	28.4	28.5	28.7	28.7	28.9	28.9	29.1	29.5	30.2
24.6	25.4	26.8	29.1	29.9	30.1	30.8	30.9	31.1	31.1	31.3	31.3	31.5	31.8	32.6
26.5	27.2	28.6	31.0	31.9	32.2	32.9	33.0	33.3	33.3	33.5	33.5	33.8	34.1	34.8
29.2	30.1	31.5	34.4	35.5	35.7	36.5	36.6	36.9	36.9	37.1	37.1	37.3	37.6	38.4
31.3	32.2	34.4	37.4	38.5	38.9	39.8	40.0	40.3	40.3	40.5	40.5	40.8	41.1	41.8
35.1	36.1	38.6	42.2	43.2	44.8	44.6	44.8	45.2	45.2	45.4	45.4	45.6	45.9	46.7
36.6	37.7	40.2	43.8	44.8	45.4	46.2	46.6	46.9	46.9	47.1	47.1	47.3	47.6	48.4
41.7	43.0	46.2	50.0	51.1	51.7	52.7	53.1	53.4	53.4	53.7	53.7	53.9	54.2	54.9
45.4	47.3	50.9	55.2	56.2	57.0	58.0	58.5	58.8	58.8	59.0	59.0	59.2	59.6	60.3
47.7	49.9	53.8	58.8	59.9	60.6	62.0	62.6	63.0	63.0	63.2	63.2	63.4	63.8	64.5
48.1	50.5	54.7	60.0	61.2	62.2	63.7	64.3	64.7	64.7	64.9	64.9	65.2	65.5	66.2
48.6	51.1	55.7	61.4	62.6	64.0	65.8	66.9	67.3	67.3	67.5	67.5	67.7	68.1	68.8
50.2	52.7	57.5	63.9	65.1	66.7	68.5	69.9	70.3	70.4	70.6	70.6	70.9	71.2	71.9
50.9	53.4	58.9	65.7	67.0	69.0	71.0	72.5	73.0	73.1	73.3	73.3	73.5	73.9	74.6
51.2	53.9	59.6	67.2	68.5	71.4	73.7	75.3	75.8	76.0	76.2	76.2	76.5	76.8	77.5
51.4	54.3	60.1	68.3	69.7	72.9	75.7	77.5	78.2	78.7	78.9	78.9	79.1	79.5	80.2
51.5	54.5	60.4	69.1	70.6	74.6	77.8	80.3	81.5	82.2	82.5	82.5	82.7	83.0	83.8
51.5	54.5	60.4	69.1	70.6	74.6	78.5	81.4	83.8	84.6	85.1	85.9	88.0	89.6	91.8
51.5	54.5	60.4	69.1	70.6	74.6	78.5	81.7	84.3	85.4	86.5	87.6	90.4	93.2	99.5
51.5	54.5	60.4	69.1	70.6	74.6	78.5	81.7	84.3	85.4	86.5	87.6	90.4	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATE DATA BRANCH
USAF ETAC
AFR LATER SERVICE/TAC

CEILING VERSUS VISIBILITY

34041 BITBURG AB GERMANY

6-77

SEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

12.7	13.8	14.7	15.6	17.0	17.6	18.0	18.2	19.5	18.5	18.4	18.7	18.8	19.0	19.1
13.8	15.0	16.2	16.4	18.7	17.4	19.6	20.1	20.4	20.4	20.5	20.5	20.7	20.8	21.3
17.9	15.2	16.4	18.6	18.9	17.6	20.0	20.3	20.6	20.6	20.7	20.7	20.9	21.0	21.4
14.0	15.2	16.4	18.6	18.9	17.6	20.0	20.3	20.6	20.6	20.7	20.7	20.9	21.0	21.4
14.0	15.3	16.5	18.7	19.0	18.7	20.1	20.4	20.7	20.7	20.8	20.8	21.0	21.1	21.6
14.1	15.4	16.5	18.5	19.2	18.8	20.3	20.5	20.5	20.5	20.9	21.0	21.2	21.3	21.8
14.7	16.0	17.2	19.6	21.1	21.8	21.2	21.5	21.7	21.8	21.9	21.9	22.1	22.2	22.7
15.0	16.3	17.5	20.2	20.5	21.2	21.6	21.9	22.2	22.2	22.3	22.4	22.5	22.7	23.2
14.0	17.3	18.9	21.7	22.0	22.7	23.1	23.4	23.7	23.7	23.8	23.9	24.0	24.2	24.7
16.3	17.7	19.4	22.1	22.5	23.2	23.6	23.9	24.2	24.2	24.3	24.4	24.5	24.7	25.2
14.4	17.6	19.5	22.2	22.5	23.3	23.8	24.0	24.3	24.3	24.4	24.5	24.7	24.8	25.3
14.7	18.1	19.9	22.6	23.1	23.9	24.4	24.7	25.0	25.0	25.1	25.2	25.4	25.5	26.0
17.9	19.2	21.2	24.1	24.6	25.4	25.9	26.3	26.6	26.7	26.8	26.8	27.0	27.2	27.6
18.1	20.7	22.8	25.6	26.4	27.2	27.8	28.2	28.6	28.6	28.7	28.8	29.0	29.1	29.6
21.2	22.8	24.9	28.3	28.9	29.9	30.5	31.1	31.6	31.6	31.7	31.8	32.0	32.1	32.6
23.7	25.4	27.7	31.3	31.9	33.1	33.9	34.5	34.9	34.9	35.2	35.1	35.3	35.4	35.9
26.0	27.6	30.4	34.3	35.0	36.4	37.2	37.9	38.3	38.4	38.5	38.5	38.7	38.9	39.4
30.7	32.7	35.6	39.9	40.7	42.4	43.3	44.0	44.5	44.6	44.6	44.6	45.0	45.1	45.6
32.1	34.2	37.2	41.0	42.3	44.1	45.0	45.7	46.3	46.3	46.4	46.5	46.7	46.9	47.4
35.7	39.1	42.6	47.4	48.1	51.1	51.1	52.0	52.6	52.6	52.7	52.8	53.1	53.2	53.7
40.4	43.3	47.2	52.4	53.4	55.7	56.9	57.9	58.4	58.5	58.6	58.7	59.0	59.1	59.6
42.7	45.9	50.2	56.0	57.0	59.4	60.9	62.0	62.7	62.8	62.9	63.0	63.3	63.4	63.9
43.0	46.4	50.8	56.8	57.9	60.5	62.1	63.4	64.0	64.1	64.2	64.3	64.6	64.8	65.3
43.9	47.5	52.3	58.7	59.9	62.8	64.6	66.0	66.8	66.9	67.0	67.1	67.4	67.5	68.0
45.0	48.6	53.9	61.1	62.4	65.6	67.6	69.2	70.1	70.2	70.3	70.4	70.7	70.9	71.4
45.4	49.3	54.7	62.4	63.7	67.2	69.5	71.2	72.2	72.3	72.4	72.6	72.8	73.0	73.5
45.8	50.0	55.6	64.2	65.6	69.7	72.3	74.2	75.5	75.7	75.8	76.0	76.3	76.5	77.1
46.1	50.3	56.1	65.2	66.8	71.4	74.8	77.2	78.7	79.2	79.2	79.4	79.8	80.0	80.6
46.1	50.4	56.3	65.7	67.3	72.6	76.6	79.5	81.8	82.5	82.9	83.2	83.6	83.9	84.7
46.1	50.4	56.3	65.8	67.5	72.9	77.2	80.6	83.7	84.8	85.6	86.4	88.1	89.6	93.1
46.1	50.4	56.3	65.8	67.5	72.9	77.2	80.8	84.1	85.2	86.3	87.3	89.8	92.1	99.6
46.1	50.4	56.3	65.8	67.5	73.0	77.3	80.8	84.1	85.3	86.3	87.5	89.8	92.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

OFFICE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AF

CEILING VERSUS VISIBILITY

3405 PITTSBURGH, PENNSYLVANIA

6-7

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM TOTAL OBSERVATIONS

ALL

27.5	28.7	30.1	32.1	33.4	33.3	33.8	34.0	34.2	34.3	34.4	34.4	34.5	34.7	34.9
32.1	33.4	34.7	37.2	37.5	37.5	39.1	39.4	39.6	39.7	39.7	39.8	39.9	40.1	40.4
32.3	33.6	35.0	37.3	37.7	37.7	39.2	39.5	39.8	39.9	39.9	40.0	40.1	40.2	40.6
32.3	33.6	35.2	37.5	37.7	37.7	39.3	39.6	39.8	39.9	39.9	40.0	40.1	40.3	40.6
32.4	33.7	35.1	37.5	37.8	37.8	39.4	39.7	39.9	40.0	40.0	40.1	40.3	40.4	40.7
32.8	34.2	35.6	38.1	38.4	38.5	40.0	40.3	40.5	40.6	40.7	40.8	40.9	41.0	41.4
34.5	35.9	37.4	39.9	40.2	40.4	42.0	42.3	42.5	42.6	42.7	42.8	42.9	43.0	43.4
35.4	36.9	38.4	41.0	41.4	41.5	43.1	43.4	43.7	43.7	43.8	43.9	44.0	44.2	44.5
37.7	39.3	41.0	43.5	44.3	44.5	45.1	46.5	46.7	46.8	46.9	47.0	47.1	47.2	47.6
38.5	40.1	41.9	44.5	45.2	45.4	47.0	47.4	47.7	47.7	47.8	47.9	48.0	48.2	48.5
39.8	40.2	42.3	45.2	45.6	45.9	47.5	47.9	48.1	48.2	48.3	48.4	48.5	48.7	49.0
40.5	42.2	44.7	47.2	47.7	48.0	49.6	50.0	50.3	50.4	50.5	50.6	50.7	50.8	51.2
40.7	44.8	46.9	50.0	50.5	50.8	52.5	52.9	53.2	53.3	53.3	53.4	53.6	53.7	54.1
45.5	47.2	49.2	52.8	53.5	53.9	55.6	56.1	56.4	56.5	56.5	56.6	56.8	57.0	57
48.2	50.3	52.4	56.0	56.5	56.0	58.8	59.3	59.6	59.7	59.8	59.9	60.0	60.2	60
51.1	53.3	55.5	59.4	60.0	60.6	62.3	62.8	63.2	63.3	63.4	63.5	63.6	63.8	64.2
53.7	56.1	58.5	62.5	63.2	63.8	65.7	66.2	66.5	66.7	66.7	66.8	67.0	67.2	67.5
57.4	59.5	62.6	67.0	67.7	68.5	70.4	71.0	71.3	71.4	71.5	71.6	71.8	72.0	72.3
58.4	60.9	63.7	68.2	68.9	69.6	71.7	72.3	72.7	72.8	72.9	73.0	73.2	73.3	73.7
61.5	64.4	67.4	72.4	73.1	73.2	75.2	76.2	76.8	77.3	77.4	77.5	77.6	77.8	78.3
64.1	67.1	70.5	75.9	76.7	77.0	80.1	80.8	81.2	81.4	81.4	81.5	81.7	81.9	82.3
65.5	68.7	72.3	78.2	79.1	81.5	82.8	83.6	84.1	84.2	84.3	84.4	84.6	84.8	85.1
65.8	69.1	72.8	78.8	79.8	82.3	83.6	84.4	84.9	85.0	85.1	85.2	85.4	85.6	86.0
66.5	69.9	73.8	80.1	81.1	83.8	85.2	86.1	86.7	86.8	86.9	87.0	87.2	87.4	87.8
67.0	70.5	74.5	81.3	82.3	85.2	86.8	87.8	88.4	88.5	88.6	88.7	88.9	89.1	89.5
67.3	70.6	75.0	82.0	83.1	86.2	87.8	88.9	89.5	89.7	89.8	89.9	90.1	90.3	90.7
67.5	71.1	75.4	82.7	83.9	87.3	89.1	90.4	91.1	91.3	91.5	91.6	91.8	92.0	92.4
67.5	71.2	75.5	83.1	84.3	87.9	90.0	91.4	92.3	92.6	92.7	92.9	93.2	93.3	93.8
67.6	71.2	75.6	83.2	84.5	88.3	90.6	92.2	93.5	93.8	94.0	94.3	94.6	94.9	95.4
67.6	71.2	75.6	83.3	84.5	88.4	90.8	92.6	94.1	94.5	94.9	95.3	96.0	96.6	97.8
67.6	71.2	75.6	83.3	84.5	88.4	90.8	92.6	94.2	94.6	95.0	95.5	96.5	97.3	99.3
67.6	71.2	75.6	83.3	84.5	88.4	90.8	92.6	94.2	94.7	95.1	95.5	96.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 86512

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

31-9 BITBURG AB GERMANY
STAT STATION NAME

69-71

PERIOD

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	1.9	3.4		4.8	5.8	4.3	2.4		1.9	3.9	71.5	8.4	207
	03-05	1.0	3.8		4.3	3.4	2.4	3.4		3.8	3.4	74.5	8.7	208
	06-08		1.4		2.4	3.9	1.9	1.0		3.4	14.0	72.0	9.1	207
	09-11		.5		2.9	2.9	1.4	3.4		2.9	11.6	74.4	9.2	207
	12-14				.5	1.0	1.9	5.3		5.8	14.5	71.0	9.3	207
	15-17				1.4	1.4	2.4	5.8		7.2	11.1	70.5	9.2	207
	18-20		1.0		4.3	2.4	4.8	5.8		6.8	7.7	67.1	8.8	207
	21-23	.5	2.9		3.9	5.8	4.8	1.4		4.8	6.3	69.6	8.6	207
TOTALS		.4	1.6		3.1	3.3	3.0	3.6		4.6	9.1	71.3	8.9	1657

SKY COVER

34049
STATION

BITBURG AB GERMANY

69-71

FEB
MONT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	6.3	5.8		4.8	3.2	4.4	4.6		5.3	6.9	58.7	7.7	189
	03-05	8.5	2.1		1.6	3.2	4.5	5.3		4.3	4.8	65.4	6.1	188
	06-08	1.1	2.7		1.0	2.7	2.7	2.7		5.3	15.4	66.0	8.9	188
	09-11	1.1	2.1		3.2	4.2	1.6	4.8		2.6	20.6	59.8	8.7	189
	12-14	2.7	8.0		5.9	2.1	2.1	4.3		4.3	10.6	60.1	8.0	188
	15-17	3.7	6.3		2.0	3.7	6.3	5.8		5.8	11.6	54.0	7.9	189
	18-20	9.5	4.8		7.9	5.8	3.7	6.3		6.9	11.1	43.9	7.0	189
	21-23	8.5	8.5		7.4	3.7	3.2	6.4		6.4	9.0	46.8	7.0	188
TOTALS		5.2	5.0		4.4	3.6	3.6	5.1		5.1	11.3	56.8	7.9	1508

2

SKY COVER

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	10.6	6.8		1.4	4.3	4.3	3.4		6.3	4.8	58.0	7.4	207
	03-05	11.6	3.4		1.4	1.9	3.9	2.9		1.4	9.7	63.8	7.9	207
	06-08	2.9	6.8		1.0	2.4	1.9	2.9		7.3	16.5	58.3	8.4	206
	09-11	.5	3.4		4.8	5.3	1.9	4.8		9.2	12.1	58.0	8.4	207
	12-14	3.9	2.4		2.4	2.4	1.4	3.9		9.2	25.1	49.3	8.4	207
	15-17	5.3	3.4		2.9	4.3	1.4	5.8		6.6	18.4	51.7	8.1	207
	18-20	7.2	4.8		6.3	3.9	4.8	3.9		7.2	12.1	49.8	7.5	207
	21-23	12.5	5.3		6.7	1.4	10.6	3.4		2.9	7.7	49.5	6.9	208
TOTALS		6.8	4.5		3.4	3.2	3.5	3.9		6.3	13.3	54.8	7.9	1656

GLOBAL CLIMATOLOGY BRANCH
USAF/CTAC
AIR WEATHER SERVICE/HAC

SKY COVER

34049
STATION

BITBUCK AB GERMANY

59-70,72

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	13.9	1.7		3.9	2.8	3.9	5.0		8.9	10.0	50.0	7.4	180
	03-05	11.7	7.2		3.9	1.7	5.0	3.9		3.9	15.6	47.2	7.2	180
	06-08	11.7	5.6		1.1	3.3	2.8	5.6		7.8	21.1	41.1	7.3	180
	09-11	8.9	1.7		.6	1.1	2.2	3.3		16.1	25.6	40.6	8.0	180
	12-14	9.4	.6		1.1	1.1	2.2	7.8		15.0	20.6	42.2	7.9	180
	15-17	10.1	.6			.6	2.2	5.0		11.7	26.3	43.6	8.1	179
	18-20	10.6	2.2		5.6	5.0	6.7	3.3		8.9	16.1	41.7	7.3	180
	21-23	14.4	3.9		6.1	7.2	5.6	7.2		4.4	6.7	44.4	6.6	180
TOTALS		11.3	2.9		2.8	2.9	3.8	5.1		9.6	17.8	43.9	7.5	1439

SKY COVER

34049
STATION

BITBURG AB GERMANY
STATION NA

69-71

MAY
MON, 1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOT. NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	22.0	5.4		3.2	7.5	7.5	2.7		8.6	8.1	35.5	5.9	186
	03-05	6.5	7.0		4.6	5.4	1.0	7.0		8.1	15.6	44.1	7.4	186
	06-08	4.8	3.8		2.2	3.8	6.5	4.3		12.4	23.7	38.7	7.8	186
	09-11	1.1	4.8		2.7	4.3	7.0	9.1		10.7	28.9	31.6	7.8	187
	12-14		2.7		3.2	3.8	6.5	7.5		14.5	31.2	50.6	8.1	186
	15-17		1.1		3.2	9.1	1.1	8.1		11.8	29.0	36.6	8.2	186
	18-20	2.1	5.3		9.1	5.9	5.9	7.5		10.2	22.5	31.6	7.3	187
	21-23	11.8	14.0		8.6	5.9	9.7	4.8		9.1	9.1	26.0	5.7	186
TOTALS		6.0	5.5		4.6	5.7	5.7	6.4		10.7	21.0	34.5	7.3	1490

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049
STATION

BITBURG AB GERMANY
STATION NAME

62-71
PERIOD

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	25.0	9.4		8.9	8.9	6.7	7.6		6.1	4.4	22.8	4.7	180
	03-05	11.1	13.3		10.0	5.0	5.0	4.4		11.1	17.2	22.8	5.9	180
	06-08	11.7	14.4		4.4	6.7	6.1	3.3		6.7	21.7	25.0	6.0	180
	09-11	4.5	13.6		4.5	5.7	8.0	6.3		10.2	18.2	29.0	6.6	176
	12-14	2.2	5.6		5.6	7.9	7.3	5.1		13.5	23.6	29.2	7.3	178
	15-17	1.1	10.0		4.4	5.6	5.0	5.6		14.4	18.3	35.6	7.4	180
	18-20	6.1	11.7		3.9	5.0	5.0	6.9		8.9	23.3	27.2	6.8	180
	21-23	13.9	12.2		9.4	4.4	11.1	6.1		6.7	13.3	22.8	5.5	180
TOTALS		9.5	11.3		6.4	6.2	6.8	5.9		9.7	17.5	25.8	6.3	1434

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SKY COVER

34049
STATIONBITBURG AB GERMANY
STATION NAME69-70
PERIODJUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	32.2	10.7		6.2	8.5	5.6	3.4		4.5	9.6	19.2	4.3	177
	03-05	10.7	11.3		9.6	6.8	7.3	4.5		9.0	14.7	26.0	6.0	177
	06-08	10.2	7.9		4.5	4.5	12.4	5.1		6.8	14.1	34.5	6.6	177
	09-11	6.8	7.9		6.0	5.1	2.8	3.4		7.3	24.9	35.0	7.2	177
	12-14	3.4	2.8		6.2	5.6	8.5	6.8		7.9	27.1	31.6	7.5	177
	15-17	3.4	5.1		6.2	5.6	7.3	10.2		11.9	19.8	30.5	7.2	177
	18-20	4.0	6.9		6.0	8.0	9.8	8.0		10.3	15.5	28.7	6.7	174
	21-23	17.2	14.4		9.2	8.6	9.8	6.9		9.8	9.2	14.9	4.8	174
TOTALS		11.0	8.4		7.2	6.6	7.9	6.0		8.4	16.9	27.6	6.3	1410

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAL
AIR WEATHER SERVICE/MAC

SKY COVER

34049
STATION

BITBURG AB GERMANY

47-70

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
ALG	00-02	42.1	7.0		4.1	5.8	5.2	1.6		7.6	7.6	16.7	4.0	171
	03-05	19.9	9.9		9.9	7.0	6.4	4.7		8.2	10.5	23.4	5.2	171
	06-08	8.8	7.6		7.6	5.8	11.1	6.4		7.6	14.6	30.4	6.4	171
	09-11	1.2	12.3		8.2	5.3	7.6	5.8		9.4	22.8	27.5	6.9	171
	12-14	1.8	4.7		5.2	5.3	10.7	9.5		13.0	25.4	24.3	7.3	169
	15-17	2.2	4.1		2.4	7.6	7.1	4.1		12.9	34.1	24.7	7.6	170
	18-20	3.6	9.0		7.8	6.6	13.9	7.8		9.0	15.7	26.5	6.5	166
	21-23	27.9	10.9		8.5	6.1	5.5	3.0		8.5	11.5	13.2	4.6	165
TOTALS		13.5	8.2		6.7	6.2	8.5	5.4		9.5	17.8	24.2	6.1	1354

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049
STATION

BITBURG AB GERMANY
STATION NAME

69-71
PERIOD

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	38.2	5.1		8.4	8.4	8.4	3.4		3.9	7.9	16.3	3.9	178
	03-05	25.4	10.7		5.6	8.5	5.6	6.8		5.1	9.0	21.2	4.8	177
	06-08	7.3	14.0		3.9	6.2	8.4	3.4		6.7	19.7	30.3	6.5	178
	09-11	9.6	10.2		5.1	5.1	5.1	3.4		7.9	20.9	32.8	6.7	177
	12-14	7.9	8.5		7.9	7.9	4.0	6.8		11.3	16.4	29.4	6.6	177
	15-17	10.7	11.9		6.2	5.1	4.5	5.1		11.9	14.1	30.5	6.3	177
	18-20	19.2	10.7		7.9	12.4	4.5	5.1		5.6	8.5	26.0	5.2	177
	21-23	31.8	11.4		7.4	9.1	5.1	6.3		4.5	5.1	19.3	4.1	176
TOTALS		18.8	11.4		6.6	7.8	5.7	5.0		7.1	12.7	26.0	5.5	1417

USAFETAC

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

SKY COVER

34249
STATION

BITBURG AB GERMANY
STATION NAME

57-70
PERIOD

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	17.3	10.6		3.6	6.5	3.2	2.2		5.4	14.1	36.8	6.1	185
	03-05	13.6	3.3		4.9	7.1	7.1	4.3		8.7	12.0	39.1	6.8	184
	06-08	3.2	7.6		3.8	4.9	4.3	5.9		4.3	19.5	40.5	7.7	185
	09-11	4.3	7.0		6.5	2.2	3.8	3.8		7.5	16.1	48.9	7.7	186
	12-14	6.5	5.9		3.2	5.9	3.2	2.7		10.3	19.5	42.7	7.6	185
	15-17	9.7	2.2		2.2	7.0	4.3	9.7		9.7	15.1	40.0	7.3	185
	18-20	10.8	9.1		7.5	4.8	7.5	3.8		9.7	8.1	38.7	6.5	186
	21-23	15.1	11.3		5.9	7.5	5.4	5.4		6.5	9.7	33.3	5.9	186
TOTALS		10.1	7.2		4.7	5.7	4.9	4.7		7.8	14.3	40.8	7.0	1482

2

SKY COVER

NOV
MONTH

34049
STATION

BITBURG AB GERMANY

59-71

110V

TOTALS

SKY COVER

DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	9.0	5.6		2.5	2.2	1.4	3.9		1.1	2.9	73.5	8.2	279
	03-05	10.4	2.5		.4		2.2	2.5		2.5	5.4	74.2	8.4	279
	06-08	5.7	2.2		2.5	1.1	4.3	1.4		2.2	8.2	72.4	8.6	279
	09-11	2.9	2.2		1.1	2.2	3.0	3.9		6.1	13.3	64.9	8.7	279
	12-14	3.2	2.2		3.6	1.1	1.1	1.8		6.6	12.9	67.3	8.8	278
	15-17	2.2	3.2		5.4	1.8	3.2	1.1		4.7	10.8	67.7	8.6	279
	18-20	4.7	4.7		3.2	3.2	3.0	5.4		3.2	5.0	67.0	8.2	279
	21-23	7.9	2.2		5.4	4.0	1.1	3.2		1.9	6.1	68.3	8.1	278
	TOTALS	5.8	2.9		3.0	2.0	2.6	2.9		3.6	8.1	69.4	8.5	2230

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

SKY COVER

34049 BITBURG AB GERMANY

65-72

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS OBS	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	0.4	1.6		3.1	3.3	3.2	3.0		4.6	9.1	71.3	8.9 1657
FEB		5.2	5.0		4.4	3.6	3.0	5.1		5.1	11.3	56.8	7.9 1508
MAR		6.3	4.5		3.4	3.2	3.0	3.9		6.3	13.3	54.8	7.9 1676
APR		11.3	2.9		2.0	2.9	3.8	5.1		9.6	17.8	43.9	7.5 1439
MAY		6.0	5.5		4.6	5.7	5.7	6.4		10.7	21.0	34.5	7.3 1490
JUN		9.5	11.3		0.4	6.2	0.8	5.9		9.7	17.5	26.8	6.3 1434
JUL		11.0	8.4		7.2	6.6	7.9	6.0		8.4	16.9	27.5	6.3 1410
AUG		13.5	8.2		6.7	6.2	8.5	5.4		9.5	17.8	24.2	6.1 1354
SEP		18.8	10.3		6.6	7.8	5.7	5.0		7.1	12.7	26.0	5.5 1417
OCT		10.1	7.2		4.7	5.7	4.9	4.7		7.5	14.3	40.8	7.0 1482
NOV		4.1	2.9		3.3	2.6	4.0	4.0		6.6	13.9	58.8	8.3 1440
DEC		5.8	2.9		3.0	2.0	2.6	2.9		3.6	8.1	69.4	8.5 2230
TOTALS		8.5	5.9		4.7	4.7	5.0	4.6		7.4	14.5	44.6	7.3 18517

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this tab of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
3404. BITBURG AB GERMANY
STATION NAME

DAILY TEMPERATURES

192-71

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
55							3						0
50						1	1						1
45					2	1	3	2	1				9
40				4	1	6	13	9	2				2
35				7	6	20	24	24	7				7
30			2	3	15	37	47	41	22	1			14
25			2	11	32	59	73	68	45	9	1		24
20		4	6	23	54	82	92	92	71	27	4		37
15		2	15	44	78	95	100	99	90	49	5	5	48
10	2	9	32	64	95	99	100	98	76	19	5	5	58
5	12	25	55	83	99	100	100	100	91	44	16	9	88
0	34	49	76	96	100	100	100	100	98	72	38	2	80
-5	29	71	91	99	100	100	100	100	100	89	66	0	89
-10	42	87	93	100	100	100	100	100	100	98	86	4	96
-15	73	95	99	100	100	100	100	100	100	100	95	2	98
-20	98	98	99	100	100	100	100	100	100	100	99	4	99
-25	99	99	100	100	100	100	100	100	100	100	100	0	100
-30	100	99	100	100	100	100	100	100	100	100	100	0	100
-35	100	100	100	100	100	100	100	100	100	100	100	0	100
-40	100	100	100	100	100	100	100	100	100	100	100	0	100
-45	100	100	100	100	100	100	100	100	100	100	100	0	100
-50	100	100	100	100	100	100	100	100	100	100	100	0	100
-55	100	100	100	100	100	100	100	100	100	100	100	0	100
-60	100	100	100	100	100	100	100	100	100	100	100	0	100
-65	100	100	100	100	100	100	100	100	100	100	100	0	100
-70	100	100	100	100	100	100	100	100	100	100	100	0	100
-75	100	100	100	100	100	100	100	100	100	100	100	0	100
-80	100	100	100	100	100	100	100	100	100	100	100	0	100
-85	100	100	100	100	100	100	100	100	100	100	100	0	100
-90	100	100	100	100	100	100	100	100	100	100	100	0	100
-95	100	100	100	100	100	100	100	100	100	100	100	0	100
-100	100	100	100	100	100	100	100	100	100	100	100	0	100
MEAN	36.1	3.9	45.1	53.3	61.3	67.1	69.9	68.9	64.0	54.6	43.6	37.4	53.4
S D	7.291	8.260	8.726	8.596	8.036	7.971	8.054	7.237	7.242	7.309	6.810	7.305	14.483
TOTAL OBS	805	734	306	756	780	780	771	768	748	775	773	782	9279

MEDICAL CLIMATOLOGY SECTION
 USAFETAC
 AIR WEATHER SERVICE/ AF
 34241 BILBO AFB, TEXAS
 STATION

DAILY TEMPERATURES

2-72

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

111-1

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70							1						0
65							1.9	3					2
60						5.4	13.2	7.2	9	1			2.3
55				1	5.3	24.5	42.9	38.8	14.0	2.3			12.5
50		1	2	3.6	24.2	58.5	79.1	76.8	46.3	13.3	1.3	4	25.2
45	6	1.2	3.6	14.0	49.7	85.6	95.3	96.0	75.8	34.3	5.2	2.6	38.0
40	6.0	3.4	18.7	39.8	60.5	97.5	100.0	98.7	94.1	62.3	24.7	10.2	53.4
35	22.7	27.9	43.7	70.8	96.5	100.0		100.0	99.7	88.0	54.3	30.1	69.2
30	34.5	39.2	75.8	80.4	98.3				100.0	93.8	66.5	41.2	75.6
25	52.2	54.8	70.8	91.7	99.9					93.7	83.3	58.7	84.1
20	73.3	74.4	84.5	99.2	100.0					100.0	93.9	76.1	91.9
15	85.4	86.0	95.9	100.0							93.7	69.6	96.4
10	92.9	91.8	99.0								100.0	95.6	98.3
5	97.3	95.0	99.6									99.1	99.3
0	99.3	97.2	100.0									99.7	99.3
-5	99.9	90.7										100.0	100.0
-10	100.0	100.0											100.0
MEAN	28.5	29.0	33.0	37.9	44.8	50.4	53.5	52.8	48.5	41.9	35.0	30.1	40.5
S D	8.279	8.021	7.282	6.149	5.940	5.338	5.024	4.735	5.382	6.303	6.382	7.981	11.199
TOTAL OBS	8061	734	806	756	760	780	771	768	748	775	773	782	9279

2

GLOBAL CLIMATOLOGY BRANCH
 USAF-TAC
 AIR WEATHER SERVICE/MAC
 34041 BITBURG AB GERMANY
 STATION STATION NAME

DAILY TEMPERATURES

2-7

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

LEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
20							5						0
70						2	3.1	7					4
72						4.2	12.2	8.1	1.3				2.2
65				5	5.4	19.4	31.5	25.3	7.4	5			7.5
60				2.5	12.7	45.5	62.7	59.0	30.2	2.7			18.0
55		1	1.2	9.9	40.1	75.6	90.4	80.2	63.4	17.9	4		32.3
50	1	1.4	10.3	30.6	70.9	94.9	99.7	99.7	89.7	43.7	5.0	1.0	45.4
45	3.3	8.6	27.3	56.1	91.6	99.7	100.0	100.0	99.1	73.8	23.0	6.9	57.4
40	16.5	26.4	51.6	81.2	98.4	100.0		100.0	92.6	51.0	24.2		70.0
35	44.3	54.7	76.7	97.0	100.0				99.5	79.4	49.4		83.2
30	58.7	74.7	90.8	99.9					100.0	91.0	75.1		91.8
25	86.5	87.6	98.0	100.0						99.5	89.9		96.8
20	93.3	94.3	97.5							100.0	96.4		98.6
15	97.5	97.8	99.8								99.6		99.0
10	99.9	99.5	100.0								99.9		99.9
5	100.0	99.9									100.0		100.0
0		100.0											100.0
MEAN	32.5	34.2	39.8	45.9	53.3	59.0	61.9	61.1	56.5	48.5	39.6	34.0	47.2
S D	7.524	8.222	7.381	6.752	6.348	6.058	6.036	5.335	5.606	6.069	6.190	7.356	12.508
TOTAL OBS	806	734	506	756	780	780	771	768	748	775	773	782	9279

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

III

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

WATER LEVEL (FEET)

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													7
2	44	47	57	71	58	51	42	82	64	84	82	82	7
3	57	47	54	54	57	51	77	85	53	73	55	51	7
4	44	47	53	71	73	61	53	61	75	67	65	52	7
5	47	41	55	64	62	71	54	71	73	71	50	52	7
6	21	51	54	71	73	51	55	82	77	81	55	51	7
7	57	51	52	58	75	51	51	65	61	63	51	51	7
8	27	54	64	73	74	51	51	63	62	71	57	52	7
9	51	51	62	51	74	63	75	77	75	64	55	55	7
10	27	57	66	71	65	61	55	64	82	71	51	54	7
11	57	45	52	72	74	61	53	65	84	74	56	55	7
12	54	57	55	64	76	72	54	65	75	64	63	45	7
13	47	57	56	71	78	61	55	68	81	65	54	47	7
14	47	57	58	63	77	62	50	79	73	67	55	51	7
15	49	55	57	64	67	64	78	87	78	74	54	55	7
16	27	51	57	67	79	82	54	75	75	65	52	51	7
17	51	49	72	57	75	81				in	57	47	7
18	27	45	57	79	85	72	65*	85*	77	71	56	50	7
19	45	47	50	70	70	81	61	61	77	71	58	50	7
20	49	47	52	74	79	74	66	83	74	67	52	52	7
21	47	52	67	65	73	81	86	78	71	64	57	48	7
22	47	41	64	64	71	82	66	82	86	68	59	48	7
23	51	53	66	64	73	75	78	87	77	51	52	51	7
24	53	51	51	73	71	73	87	89	77	67	53	42	7
25	46	51	57	64	80	89	93	84	73	69	51	44	7
26	51	51	60	64	71	87	62	77	73	65	60	57	7
27	46	53	59	64	75	80	66	78	73	67*	53		7
MEAN	47.9	50.7	60.6	69.1	75.8	81.3	84.4	83.9	77.5	67.2	55.4	49.0	57.6
S.D.	3.298	6.933	5.790	4.764	4.552	4.714	5.372	3.682	4.273	4.706	3.751	4.005	3.517
TOTAL OBS.	506	734	806	755	780	783	771	768	748	775	773	762	987

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 HRS)

USAF ETAC FORM 0-88-5 (OLI)

2

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	15	4	27	31	23	2	19	9	41	25	20	11	
2	5	1	24	21	36	41	42	48	35	37	23	27	
3	14	4	12	21	32	41	48	41	37	21	22	21	
4	1	-	22	21	34	2	17	37	45	37	18	10	
5	18	25	26	21	21	2	19	41	24	31	24	21	1
6	17	14	18	24	31	4	36	44	43	32	20	32	1
7	12	25	27	30	36	41	32	45	45	31	24	25	1
8	1	17	26	32	36	41	42	41	39	33	30	16	
9	17	2	25	21	32	41	42	44	45	31	27	11	1
10	14	1	17	31	32	3	1	12	41	37	1	1	
11	4	1	16	29	32	43	44	42	38	27	31	11	
12	11	14	17	24	30	37	40	44	35	25	25	18	1
13	21	12	10	21	33	41	43	42	39	31	15	20	1
14	4	27	24	30	30	41	43	40	30	21	20	21	
15	10	11	26	26	23	22	42	44	32	21	21	12	1
16	3	23	27	24	34	44					24	12	
17	23	5	25	21	35	32	45	44	34	34	22	15	
18	17	1	13	25	32	41	44	41	30	33	28	10	
19	2	14	7	30	27	44	43	42	41	31	20	27	
20	7	3	22	27	36	30	45	30	35	24	24	14	
21	14	19	23	28	25	42	48	44	35	30	18	3	
22	24	24	19	35	35	37	44	44	33	20	21	24	1
23	26	21	24	25	35	33	44	47	44	24	13	1	
24	5	13	14	24	32	31	46	44	41	33	26	4	
25	19	10	19	24	30	32	48	45	37	32	19	21	1
26	0	10	26	24	37	41	42	41	41	35	21		
MEAN	12.2	15.8	20.7	28.1	32.2	30.1	44.9	43.1	30.3	30.1	22.7	15.7	
S D	7.007	8.553	5.211	4.581	2.402	2.333	2.948	2.863	3.505	2.504	4.427	7.475	2.30
TOTAL OBS	205	734	906	756	780	732	771	768	743	775	773	742	721

NOTES * (BASED ON LESS THAN 24 HRS)

(AT LEAST ONE DAY LESS THAN 24 HRS)

USAF ETAC FORM 0-38-5 (OII)

JUL 64

PSYCHROMETRIC SUMMARY

3-7b

JA'

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200

MOLES 5-11

Temp. (F)	WET BU: B TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
52/ 51			.1															1	1																
50/ 49		.1	.2	.2														5	5																
48/ 47		.4	.1	.1														6	6	4															
46/ 45		1.1	.3	.2														15	15	7	4														
44/ 43	.1	3.4	.5	.4														41	41	17	7														
42/ 41	.4	9.0	1.5															102	102	31	19														
40/ 39		5.5	1.8															68	68	70	60														
38/ 37	1.0	6.1	1.5															98	98	29	78														
36/ 35	.5	8.4	1.0															72	92	76	69														
34/ 33	3.2	6.1	1.1	.2														123	123	139	99														
32/ 31	1.3	9.9	1.1															110	119	122	126														
30/ 29	.9	7.3																76	76	114	119														
28/ 27	2.5	3.0																51	51	62	105														
26/ 25	1.1	2.2	.1															31	31	37	59														
24/ 23	1.1	2.9	.2															39	39	29	58														
22/ 21	.8	1.2																18	18	26	31														
20/ 19	.8	1.1																16	16	16	32														
18/ 17	.1	.4																5	5	12	14														
16/ 15	.4	.8																11	11	9	9														
14/ 13	.1	.4																5	5	8	9														
12/ 11	.1	.4																5	5	6	12														
10/ 9	.1																	1	1	2	9														
8/ 7	.1																	1	1	1	5														
6/ 5																					5														
TOTAL	15.67	3.6	9.6	1.2														929	929	929	929														

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6917038	79824	85.9	7.919	929							93
Wet Bulb	1095598	31240	33.6	6.969	929		37.8					93
Wet Bulb	1006799	29959	32.2	6.619	929		44.4					93
Dew Point	872432	27680	29.8	7.159	929		59.4					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34042 BITBURG AB GERMANY
STATION

9-7

YEARS

PAGE 1 0300-0500
HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
50/ 49		.2	.3		.1													6		6															
48/ 47		.3		.1														4		4	4														
46/ 45		1.7	.6	.1														23		23	4	4													
44/ 43	.3	4.7	.9															55		55	23	8													
42/ 41	.2	5.6	1.3															68		68	59	31													
40/ 39	.4	5.5	2.0															74		74	63	54													
38/ 37	1.2	8.0	1.5															99		99	88	62													
36/ 35	1.3	8.7	.4															97		97	103	78													
34/ 33	2.5	9.8	.5	.2														124	124	140		113													
32/ 31	3.1	9.2	.6	.1														123	123	107		156													
30/ 29	2.7	5.3																74	74	115		104													
28/ 27	1.7	4.0	.1															54	54	58		85													
26/ 25	1.3	2.4																31	31	40		48													
24/ 23	1.1	1.8																27	27	34		49													
22/ 21	.5	1.0																16	16	21		40													
20/ 19	.2	1.6																20	20	18		25													
18/ 17	.2	.8																9	9	14		17													
16/ 15	.6	.3																9	9	10		15													
14/ 13	.2	.5																7	7	4		11													
12/ 11	.2	.6																8	8	9		11													
10/ 9	.2																	2	2	5		8													
8/ 7																						7													
6/ 5																						4													
TOTAL	18.37	2.3	8.8	.5	.1															930		930													

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7025632	80520	86.6	7.635	930	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	93
Dry Bulb	1094748	31206	33.6	7.161	930		38.0					93
Wet Bulb	1010404	29994	32.3	6.807	930		43.6					93
Dew Point	883190	27830	29.9	7.364	930		58.0					93

3404 - BITBJK AS GER ANY
STAT 34 STAT 34 NAME

PAGE 1 6600-0800
-0805-1.7

Temp		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
F		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
50/	49		.1			.1													7	2																
48/	47		.3	.2		.1													6	6	1															
46/	45	.1	1.2	.1	.3														16	16	5	2														
44/	43	.2	3.2	.6	.3														42	42	24	9														
42/	41	.3	7.3	1.4	.2														86	80	47	26														
40/	39	.6	6.9	2.2	.1														91	91	71	51														
38/	37	1.3	6.6	1.6															35	35	104	63														
36/	35	1.5	9.4	.4															105	105	97	81														
34/	33	2.0	7.4	.5															98	98	113	103														
32/	31	2.3	7.2	.5	.1														94	94	120	125														
30/	29	2.3	6.3	.2	.2														84	84	100	119														
28/	27	2.8	4.1																64	64	64	86														
26/	25	1.4	3.0																41	41	53	52														
24/	23	.9	4.0																45	45	47	62														
22/	21	.6	1.1																17	17	27	47														
20/	19	.6	1.1																16	16	16	26														
18/	17	.5	.6																11	11	12	22														
16/	15	.3	.5																5	8	11	20														
14/	13		.4																4	4	3	2														
12/	11		.6																6	6	5	4														
10/	9	.3	.2																7	7	8	10														
8/	7	.2																	2	2	2	9														
6/	5																					8														
TOTAL		18.97	1.0	8.0	1.3	.2														930		930	930													

Element (X)	Σx ²	Σx	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum	7012086	80413	86.5	7.919	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1070786	30812	33.1	7.332	930		39.9					93
Wet Bulb	986569	29595	31.8	6.943	930		45.3					93
Dew Point	858701	27397	29.5	7.453	930		59.5					93

34042 BITBURG AS GER-ANY
STAT 34 STAT 34 NAME

2-7

4297

PAGE : 0900-1100

Temp.		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
50/	49		.2	.1																													3	3						
48/	47		.9	.6	.3																												17	17	2					
46/	45		2.5	.3	.3																												29	29	13	6				
44/	43		4.4	.5	.3																												49	49	33	15				
42/	41	.3	4.7	.7	.1																												56	56	51	22				
40/	39	.5	7.3	2.4	.2																												97	97	65	52				
38/	37	.5	6.5	2.5																													107	107	113	72				
36/	35	1.5	8.3	1.5																													100	100	99	101				
34/	33	1.9	6.6	.6																													104	104	141	63				
32/	31	3.2	6.1	.9	.1																												114	114	98	164				
30/	29	2.4	5.1	.2	.1																												72	72	97	99				
28/	27	2.2	3.8																														55	55	65	73				
26/	25	1.2	2.2																														31	31	43	57				
24/	23	.9	3.1																														37	37	32	55				
22/	21	.9	.6																														14	14	30	32				
20/	19	.6	.6																														10	10	11	38				
18/	17	.2	.8																														9	9	7	11				
16/	15	.2	.3																														5	5	8	10				
14/	13	.1	.5																														5	6	4	9				
12/	11	.2	.6																														8	8	9	4				
10/	9	.3																															3	3	5	10				
8/	7	.1																															1	1	1	10				
6/	5	.1																															1	1	1	4				
4/	3																																			1				
TOTAL		17.271.210.0 1.5																																	928		928			
																																	923		929					

34040 BITBURG AD GERMANY

9-74

JA:

PAGE : 1200-1400

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 7485

USAFETAC FORM 0.26.5 (0-1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAIL

PSYCHROMETRIC SUMMARY

34049 DITBURG A3 GERMANY
STATION NAME

9-7

YEARS

JAN

MONTH

PAGE 1 1500-1700

HOURS U.S.T.

Temp. (C)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53						.1	.1												2	2															
52/ 51				.6		.1													7	7															
50/ 49			.3	.7	.5														16	16	2														
48/ 47			.9	1.1	.5	.1													24	24	10	4													
46/ 45			3.0	1.6	.3														46	46	16	7													
44/ 43	.1	4.7	1.7	.4															63	63	53	17													
42/ 41	.2	5.4	3.0	.9															88	88	73	29													
40/ 39	.3	8.4	3.4	.2															115	115	77	57													
38/ 37	1.2	5.3	3.7	.3															97	97	133	95													
36/ 35	1.1	8.4	2.3	.1	.1														116	116	93	115													
34/ 33	1.4	6.1	2.4	.4	.1														119	119	160	92													
32/ 31	1.4	6.8	2.5	.1															104	104	91	156													
30/ 29	.2	4.0	.6	.1															46	46	86	89													
28/ 27	1.0	1.4	.2																24	24	58	60													
26/ 25	.5	1.1	.1																16	16	22	73													
24/ 23		1.3	.1																13	13	10	49													
22/ 21	.1	.8	.4																12	12	15	14													
20/ 19		1.0																	9	9	9	20													
18/ 17		.8																	7	7	10	8													
16/ 15		.2																	2	2	7	13													
14/ 13	.2	.2																	4	4	5	9													
12/ 11																						6													
10/ 9																						12													
8/ 7																						4													
6/ 5																						1													
TOTAL	6.661	8.824	.9	4.0	.5	.1														930	930	930													

Element (X)	ΣX	ΣX^2	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6310598	76068	31.8	10.256	930	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1271791	33843	36.4	6.581	930		23.7					93
Wet Bulb	1135773	31981	34.4	6.226	930		31.3					93
Dew Point	952852	29014	31.2	7.164	930		51.4					93

USAFETAC FORM 0-26-5 (OL A)

FORM 0-26-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAF/ITAC
AIR WEATHER SERVICE/ITAC

PSYCHROMETRIC SUMMARY

34047 BITBURG AB GERMANY
STATION

0-70

YEARS

JAN

PAGE 1 1800-2000

HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point															
52/ 51			.5		.1													6	6																
50/ 49		.2		.2	.1													5	5	3															
48/ 47	.1	.6	.4	.3														14	14	5															
46/ 45		2.2	.9	.2														30	30	10															
44/ 43		2.7	1.1	.2														37	37	31															
42/ 41	.2	3.3	3.2	.1														91	91	53															
40/ 39	.3	7.9	2.4	.1														103	103	69															
38/ 37	1.1	6.6	2.0	.1														96	96	122															
36/ 35	1.0	9.2	3.0	.1														129	129	101															
34/ 33	2.2	7.2	1.7															103	103	135															
32/ 31	1.5	6.5	1.3	.1														87	87	111															
30/ 29	1.4	7.7	.4	.2														90	90	90															
28/ 27	1.1	3.1	.3															42	42	74															
26/ 25	1.1	1.8	.2															29	29	39															
24/ 23		1.5	.1															15	15	10															
22/ 21	.6	1.3																18	18	21															
20/ 19		1.4																13	13	13															
18/ 17		.4																4	4	13															
16/ 15	.1	.5																5	6	4															
14/ 13	.1	.5																6	6	8															
12/ 11	.2	.2																4	4	6															
10/ 9																																			
8/ 7																																			
6/ 5																																			
TOTAL	12.1	67.8	18.2	1.7	.2													928	928	928															
																		928	928																

Element (X)	Σx	Σx^2	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num	6596498	77794	83.8	8.998	928	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1163819	32253	34.8	6.799	928		31.5					93
Wet Bulb	1054720	30708	33.1	6.451	928		39.0					93
Dew Point	898259	28079	30.3	7.245	928		53.9					93

USAF/ITAC FORM 0-26-5 (OL A) 10-64 REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN

PAGE 1 2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL
HOLERS

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

09-78

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PAGE 1 0300-0500

NC 1472 '9, S. T. 1)

[illegible]

0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

101M

USAFETAC

PSYCHROMETRIC SUMMARY

33

MC47-

[illegible]

PSYCHROMETRIC SUMMARY

29-76

YEARS

FEB
1974

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

0-26.5 (OL-A) REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

HCLUXS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

09-78

443

PAGE 1 1800-2000

[illegible]

USAFETAC FORM 0-26-5 (OL. 1)

PSYCHROMETRIC SUMMARY

YEARS

संज्ञा

055 12.5.7

[illegible]

PSYCHROMETRIC SUMMARY

444

1997

STATION NAME

75. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75.

1997

[illegible]

1000

| | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 54/ 53 | | | .1 | .0 | .0 | .0 | | | | | | | | | | | | 10 | 10 | | | | | | | | | | | | | | | | |
| 52/ 51 | | .0 | .1 | .1 | .3 | | | .0 | | | | | | | | | | 36 | 36 | 1 | | | | | | | | | | | | | | | |
| 50/ 49 | | .2 | .6 | .4 | .0 | .0 | .0 | .0 | | | | | | | | | | 89 | 89 | 8 | 1 | | | | | | | | | | | | | | |
| 48/ 47 | .0 | .3 | .7 | .5 | .0 | .0 | .0 | | | | | | | | | | | 109 | 109 | 35 | 14 | | | | | | | | | | | | | | |
| 46/ 45 | .1 | 1.2 | 1.2 | .5 | .1 | .2 | .0 | | | | | | | | | | | 227 | 227 | 100 | 33 | | | | | | | | | | | | | | |
| 44/ 43 | .2 | 2.4 | 1.6 | .6 | .2 | .0 | | | | | | | | | | | | 335 | 335 | 195 | 55 | | | | | | | | | | | | | | |
| 42/ 41 | .1 | 4.1 | 2.0 | .4 | .2 | .0 | | | | | | | | | | | | 462 | 462 | 332 | 128 | | | | | | | | | | | | | | |
| 40/ 39 | .2 | 5.5 | 2.3 | .2 | .2 | | | | | | | | | | | | | 573 | 573 | 438 | 235 | | | | | | | | | | | | | | |
| 38/ 37 | .2 | 7.4 | 2.2 | .5 | .1 | | | | | | | | | | | | | 701 | 701 | 678 | 456 | | | | | | | | | | | | | | |
| 36/ 35 | .9 | 8.2 | 3.0 | .6 | .1 | | | | | | | | | | | | | 859 | 859 | 729 | 691 | | | | | | | | | | | | | | |
| 34/ 33 | 1.4 | 6.4 | 2.5 | .4 | .0 | | | | | | | | | | | | | 727 | 727 | 927 | 722 | | | | | | | | | | | | | | |
| 32/ 31 | .9 | 6.5 | 3.0 | .2 | .0 | | | | | | | | | | | | | 713 | 713 | 694 | 715 | | | | | | | | | | | | | | |
| 30/ 29 | .8 | 5.3 | 1.4 | .1 | | | | | | | | | | | | | | 512 | 512 | 759 | 608 | | | | | | | | | | | | | | |
| 28/ 27 | 1.3 | 4.7 | .7 | .0 | | | | | | | | | | | | | | 455 | 455 | 546 | 542 | | | | | | | | | | | | | | |
| 26/ 25 | .9 | 4.2 | .3 | | | | | | | | | | | | | | | 364 | 364 | 476 | 540 | | | | | | | | | | | | | | |
| 24/ 23 | .4 | 3.3 | .3 | | | | | | | | | | | | | | | 270 | 270 | 353 | 543 | | | | | | | | | | | | | | |
| 22/ 21 | .2 | 1.3 | .0 | | | | | | | | | | | | | | | 98 | 98 | 201 | 413 | | | | | | | | | | | | | | |
| 20/ 19 | .2 | 1.1 | | | | | | | | | | | | | | | | 90 | 90 | 114 | 388 | | | | | | | | | | | | | | |
| 18/ 17 | .2 | .4 | | | | | | | | | | | | | | | | 43 | 43 | 76 | 281 | | | | | | | | | | | | | | |
| 16/ 15 | .2 | .4 | | | | | | | | | | | | | | | | 36 | 36 | 33 | 155 | | | | | | | | | | | | | | |
| 14/ 13 | .1 | .2 | | | | | | | | | | | | | | | | 22 | 22 | 34 | 100 | | | | | | | | | | | | | | |
| 12/ 11 | .1 | .1 | | | | | | | | | | | | | | | | 16 | 16 | 15 | 69 | | | | | | | | | | | | | | |
| 10/ 9 | .1 | .0 | | | | | | | | | | | | | | | | 10 | 10 | 13 | 40 | | | | | | | | | | | | | | |
| 8/ 7 | .0 | .0 | | | | | | | | | | | | | | | | 4 | 4 | 4 | 19 | | | | | | | | | | | | | | |
| 6/ 5 | .0 | .0 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 11 | | | | | | | | | | | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | 8.663 | 321.8 | 4.7 | 1.3 | .3 | .1 | .0 | | | | | | | | | | | 6764 | 6764 | 6764 | 6764 | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

4A

PAGE 1 0000-0200

[illegible]

PSYCHROMETRIC SUMMARY

0575

PAR
MCM

PAGE 1 0300-0500
MOVS - S. T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC
FORM
JUL 64
0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

2-7.

MAR
MAY 1964

PAGE 1 6500-C500
HOURS S. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

Q-75

24A2

PAGE 1 0900-1100
HOLRS L. S. T.

| Temp
(F) | WET TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|--------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 58/ 57 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 56/ 55 | | | | | .2 | .4 | .1 | | | | | | | | | | | 7 | 7 | | | | | | | | | | | | | | | | |
| 54/ 53 | | | .1 | .5 | | .3 | .1 | | | | | | | | | | | 10 | 10 | | | | | | | | | | | | | | | | |
| 52/ 51 | | .1 | 1.4 | .3 | .4 | .1 | | | | | | | | | | | | 22 | 22 | 2 | | | | | | | | | | | | | | | |
| 50/ 49 | | 1.4 | 2.5 | 1.1 | .3 | .2 | | | | | | | | | | | | 51 | 51 | 8 | | | | | | | | | | | | | | | |
| 48/ 47 | | 1.5 | 2.2 | .4 | .9 | | | | | | | | | | | | | 46 | 46 | 42 | 13 | | | | | | | | | | | | | | |
| 46/ 45 | | 2.5 | 2.6 | .9 | .2 | | | | | | | | | | | | | 59 | 59 | 47 | 25 | | | | | | | | | | | | | | |
| 44/ 43 | .1 | 3.0 | 3.0 | 1.1 | .3 | | | | | | | | | | | | | 70 | 70 | 60 | 35 | | | | | | | | | | | | | | |
| 42/ 41 | .1 | 3.9 | 3.0 | .3 | | | | | | | | | | | | | | 68 | 68 | 66 | 30 | | | | | | | | | | | | | | |
| 40/ 39 | | 5.4 | 4.6 | .2 | .3 | .1 | | | | | | | | | | | | 99 | 99 | 81 | 56 | | | | | | | | | | | | | | |
| 38/ 37 | .1 | 4.7 | 3.3 | .5 | .5 | | | | | | | | | | | | | 86 | 86 | 101 | 68 | | | | | | | | | | | | | | |
| 36/ 35 | .1 | 5.1 | 6.9 | 1.2 | .1 | | | | | | | | | | | | | 124 | 124 | 86 | 95 | | | | | | | | | | | | | | |
| 34/ 33 | .1 | 3.2 | 4.8 | .9 | .2 | | | | | | | | | | | | | 86 | 86 | 107 | 85 | | | | | | | | | | | | | | |
| 32/ 31 | .2 | 5.1 | 3.2 | .3 | .2 | | | | | | | | | | | | | 88 | 88 | 101 | 101 | | | | | | | | | | | | | | |
| 30/ 29 | | 2.2 | 1.4 | .4 | | | | | | | | | | | | | | 37 | 37 | 91 | 87 | | | | | | | | | | | | | | |
| 28/ 27 | .2 | .8 | .9 | | | | | | | | | | | | | | | 20 | 20 | 48 | 76 | | | | | | | | | | | | | | |
| 26/ 25 | .3 | 1.0 | .4 | | | | | | | | | | | | | | | 16 | 16 | 31 | 81 | | | | | | | | | | | | | | |
| 24/ 23 | .1 | 1.4 | .1 | | | | | | | | | | | | | | | 15 | 15 | 20 | 43 | | | | | | | | | | | | | | |
| 22/ 21 | .1 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 10 | 26 | | | | | | | | | | | | | | |
| 20/ 19 | .1 | .5 | | | | | | | | | | | | | | | | 6 | 6 | 4 | 34 | | | | | | | | | | | | | | |
| 18/ 17 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 4 | 19 | | | | | | | | | | | | | | |
| 16/ 15 | .2 | .2 | | | | | | | | | | | | | | | | 4 | 4 | 5 | 16 | | | | | | | | | | | | | | |
| 14/ 13 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 13 | | | | | | | | | | | | | | |
| 12/ 11 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 13 | | | | | | | | | | | | | | |
| 10/ 9 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 9 | | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | |
| TOTAL | 2.742 | 540.6 | 8.7 | 3.9 | 1.3 | .3 | | | | | | | | | | | | 930 | 930 | 930 | 930 | | | | | | | | | | | | | | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 BITBURG AB GERMANY

0-70

MAR

STATION

STATION NAME

YEARS

PAGE 1 1500-1700

HOURS

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | | | | .2 | | | | | | | | 2 | | 2 | | | | | | | | | | | | | | | |
| 66/ 65 | | | | | | | .6 | | .2 | .3 | .2 | | | | | | | 13 | | 13 | | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | .2 | .3 | .1 | 1.0 | .6 | | | | | | | | 21 | | 21 | | | | | | | | | | | | | | | |
| 62/ 61 | | | | | .4 | .2 | .2 | .1 | .4 | .3 | | | | | | | | 16 | | 16 | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | .9 | .2 | .1 | | .2 | .1 | | | | | | | | 14 | | 14 | | | | | | | | | | | | | | | |
| 58/ 57 | | | | 1.0 | .5 | | .4 | | .2 | | | | | | | | | 20 | | 20 | | | | | | | | | | | | | | | |
| 56/ 55 | | | | 1.1 | .8 | .3 | .1 | .1 | | | | | | | | | | 22 | | 22 | | | | | | | | | | | | | | | |
| 54/ 53 | | | .5 | 1.6 | 1.2 | .2 | .2 | .1 | .1 | | | | | | | | | 37 | | 37 | | 16 | | | | | | | | | | | | | |
| 52/ 51 | | | 1.2 | .8 | 1.1 | .4 | | .1 | .1 | | | | | | | | | 34 | | 34 | | 23 | | | | | | | | | | | | | |
| 50/ 49 | | .3 | 2.0 | 2.8 | 1.3 | 1.2 | .5 | .2 | | | | | | | | | | 78 | | 78 | | 39 | | | | | | | | | | | | | |
| 48/ 47 | | 1.4 | 1.2 | 2.0 | 2.4 | .8 | .6 | .2 | | | | | | | | | | 80 | | 80 | | 53 | | | | | | | | | | | | | |
| 46/ 45 | .1 | 1.5 | 3.0 | 3.2 | 1.9 | .9 | .4 | .1 | | | | | | | | | | 104 | | 104 | | 62 | | | | | | | | | | | | | |
| 44/ 43 | | 1.3 | 2.7 | 3.1 | 1.9 | .4 | .2 | | | | | | | | | | | 90 | | 90 | | 73 | | | | | | | | | | | | | |
| 42/ 41 | | 1.3 | 3.2 | 2.3 | .9 | .8 | .1 | | | | | | | | | | | 79 | | 79 | | 86 | | | | | | | | | | | | | |
| 40/ 39 | | 2.4 | 3.3 | 1.0 | 2.6 | .3 | .2 | | | | | | | | | | | 97 | | 97 | | 103 | | | | | | | | | | | | | |
| 38/ 37 | | 1.3 | 2.7 | 2.6 | .3 | .3 | | | | | | | | | | | | 67 | | 67 | | 120 | | | | | | | | | | | | | |
| 36/ 35 | | 1.4 | 3.9 | .9 | .6 | .2 | | | | | | | | | | | | 65 | | 65 | | 94 | | | | | | | | | | | | | |
| 34/ 33 | .1 | .4 | 1.6 | .4 | .8 | .1 | | | | | | | | | | | | 32 | | 32 | | 88 | | | | | | | | | | | | | |
| 32/ 31 | | 1.3 | 1.0 | .8 | .1 | | | | | | | | | | | | | 29 | | 29 | | 78 | | | | | | | | | | | | | |
| 30/ 29 | .1 | .3 | .4 | .1 | | | | | | | | | | | | | | 9 | | 9 | | 36 | | | | | | | | | | | | | |
| 28/ 27 | | .4 | .4 | | | | | | | | | | | | | | | 8 | | 8 | | 22 | | | | | | | | | | | | | |
| 26/ 25 | | .3 | .1 | | | | | | | | | | | | | | | 4 | | 4 | | 20 | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | |
| 20/ 19 | | .5 | | | | | | | | | | | | | | | | 5 | | 5 | | | | | | | | | | | | | | | |
| 18/ 17 | | .3 | | | | | | | | | | | | | | | | 3 | | 3 | | 6 | | | | | | | | | | | | | |
| 16/ 15 | | .1 | | | | | | | | | | | | | | | | 1 | | 1 | | 3 | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

9-70

MAK

PAGE 2

1500-1700
HOURS L. S. T

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

FORM 1041-A (2001)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 SITBURG AB GERMANY

19-75

MAR
MONTH

PAGE 1 1800-2000
HOURS L. S. T.

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|-------|------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | .1 | .1 | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | .2 | .4 | .1 | .3 | .4 | .1 | | | | | | | | 15 | 15 | | | | | | | | | | | | | | | | |
| 58/ 57 | | | | .2 | .4 | .2 | .2 | .3 | .2 | | | | | | | | | 15 | 15 | | | | | | | | | | | | | | | | |
| 56/ 55 | | | | 1.0 | .9 | .4 | .4 | .2 | | | | | | | | | | 27 | 27 | | | | | | | | | | | | | | | | |
| 54/ 53 | | | .4 | 1.1 | .2 | .2 | .2 | .2 | | | | | | | | | | 22 | 22 | | | | | | | | | | | | | | | | |
| 52/ 51 | | .1 | 1.7 | .1 | .5 | .1 | .6 | | | | | | | | | | | 30 | 30 | 10 | | | | | | | | | | | | | | | |
| 50/ 49 | | .2 | 2.7 | 1.0 | .4 | .3 | | | | | | | | | | | | 43 | 43 | 22 | | | | | | | | | | | | | | | |
| 48/ 47 | | 1.2 | 1.9 | 1.1 | .5 | .1 | .1 | .1 | | | | | | | | | | 47 | 47 | 45 | 6 | | | | | | | | | | | | | | |
| 46/ 45 | .2 | 2.0 | 2.0 | 1.9 | .9 | .3 | .1 | | | | | | | | | | | 77 | 77 | 56 | 25 | | | | | | | | | | | | | | |
| 44/ 43 | | 2.2 | 3.2 | 2.0 | .9 | .2 | | | | | | | | | | | | 79 | 79 | 60 | 42 | | | | | | | | | | | | | | |
| 42/ 41 | | 2.8 | 5.5 | 1.9 | 1.3 | .4 | | | | | | | | | | | | 111 | 111 | 82 | 58 | | | | | | | | | | | | | | |
| 40/ 39 | | 3.8 | 4.2 | 1.7 | 1.0 | .2 | | | | | | | | | | | | 107 | 107 | 92 | 42 | | | | | | | | | | | | | | |
| 38/ 37 | .1 | 3.2 | 5.4 | 1.7 | .5 | .1 | | | | | | | | | | | | 104 | 104 | 109 | 50 | | | | | | | | | | | | | | |
| 36/ 35 | | 1.9 | 5.3 | 1.7 | .4 | .2 | | | | | | | | | | | | 89 | 89 | 90 | 96 | | | | | | | | | | | | | | |
| 34/ 33 | .2 | 1.4 | 3.1 | .5 | .4 | | | | | | | | | | | | | 53 | 53 | 109 | 74 | | | | | | | | | | | | | | |
| 32/ 31 | | .8 | 1.5 | .8 | .6 | | | | | | | | | | | | | 34 | 34 | 91 | 87 | | | | | | | | | | | | | | |
| 30/ 29 | .1 | 1.7 | .3 | .6 | | | | | | | | | | | | | | 26 | 26 | 65 | 74 | | | | | | | | | | | | | | |
| 28/ 27 | .1 | .8 | .6 | .3 | | | | | | | | | | | | | | 17 | 17 | 30 | 75 | | | | | | | | | | | | | | |
| 26/ 25 | | .6 | .2 | | | | | | | | | | | | | | | 8 | 8 | 28 | 67 | | | | | | | | | | | | | | |
| 24/ 23 | .1 | .9 | .3 | | | | | | | | | | | | | | | 17 | 12 | 19 | 84 | | | | | | | | | | | | | | |
| 22/ 21 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 9 | 37 | | | | | | | | | | | | | | |
| 20/ 19 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 3 | 26 | | | | | | | | | | | | | | |
| 18/ 17 | | .6 | | | | | | | | | | | | | | | | 6 | 6 | 2 | 17 | | | | | | | | | | | | | | |
| 16/ 15 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 6 | 17 | | | | | | | | | | | | | | |
| 14/ 13 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 14 | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | | .924 | .839 | .217 | .710 | .0 | 3.3 | 1.8 | 1.3 | .8 | .1 | | | | | | | | 930 | 930 | 930 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 930 | 930 | | | | | | | | | | | | | | | |
| Element (X) | ΣX ² | ΣX | Σ | Σ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 4473942 | 62894 | 67.6 | 5.408 | 930 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 1616134 | 38058 | 40.9 | 7.949 | 930 | | 10.9 | | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 1291263 | 34049 | 36.6 | 6.934 | 930 | | 25.5 | | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 923979 | 28169 | 30.3 | 8.727 | 930 | | 53.7 | | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

9-7,

MAR

PAGE 1 2100-2500
HOURS L. S. T.

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (O.L.A.)
REVISE¹ PREVIOUS EDITIONS (IF THIS FORM ARE OBSOLETE)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

54049 BITBURG AB GERMANY

2-7

STATION

STATION NAME

YEARS

DATE

MONTH

PAGE 1

ALL

HOURS

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | |
|-------------|-------------------------------------|-----|------------|-----|-----------|----|-------|----|----------|----|------------------------------------|-------------|-------------|-------------|-------------|-------------|----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|--|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | | |
| 66/ 65 | | | | | | | | | | | | | .1 | | | | .1 | | | | | | .0 | | | | | | | | | | 16 | | 16 | | | |
| 64/ 63 | | | | | | | | | | | | .0 | .1 | | | | .2 | | | | | | | | | | | | | | | | 30 | | 30 | | | |
| 62/ 61 | | | | | | | | .1 | | .0 | | .1 | .1 | | | | .1 | | | | | | | | | | | | | | | | 31 | | 31 | | | |
| 60/ 59 | | | | | | .0 | .2 | | .1 | | .0 | .1 | .1 | | | | .1 | | | | | | | | | | | | | | | | 47 | | 47 | | | |
| 58/ 57 | | | | | | .2 | .2 | | .0 | | .1 | .1 | .1 | | | | .1 | | | | | | | | | | | | | | | | 50 | | 50 | | | |
| 56/ 55 | | | | | .0 | .4 | .3 | | .2 | | .1 | .1 | | | | | .1 | | | | | | | | | | | | | | | | 86 | | 86 | | | |
| 54/ 53 | | .0 | .2 | | .8 | .3 | | .2 | | .1 | .1 | | | | | .0 | | | | | | | | | | | | | | | | | 121 | 121 | | 25 | | |
| 52/ 51 | | .0 | 1.3 | .4 | .5 | .1 | .1 | | .0 | | .0 | | | | | .0 | | | | | | | | | | | | | | | | | 182 | 182 | | 49 | | |
| 50/ 49 | | .8 | 1.0 | 1.1 | .4 | .3 | | .1 | | .0 | | | | | | | | | | | | | | | | | | | | | | | 335 | 335 | | 117 4 | | |
| 48/ 47 | .0 | 1.5 | 1.5 | .8 | .7 | .2 | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | 356 | 356 | | 300 61 | | |
| 46/ 45 | .1 | 2.3 | 2.1 | 1.4 | .0 | | | .2 | | .1 | | .0 | | | | | | | | | | | | | | | | | | | | | 509 | 509 | | 376 211 | | |
| 44/ 43 | .0 | 2.5 | 2.7 | 1.4 | .7 | .2 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 566 | 566 | | 427 297 | | |
| 42/ 41 | .0 | 3.5 | 4.0 | 1.3 | .4 | .2 | | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 706 | 706 | | 522 273 | | |
| 40/ 39 | .1 | 4.4 | 4.4 | .8 | .8 | .1 | | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 797 | 797 | | 653 363 | | |
| 38/ 37 | .1 | 3.9 | 3.5 | 1.1 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 665 | 665 | | 873 400 | | |
| 36/ 35 | .1 | 4.0 | 5.0 | .8 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 763 | 763 | | 704 701 | | |
| 34/ 33 | .3 | 3.5 | 3.0 | .0 | .3 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 608 | 608 | | 811 649 | | |
| 32/ 31 | .2 | 3.0 | 2.9 | .6 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 518 | 518 | | 770 785 | | |
| 30/ 29 | .2 | 2.7 | 1.2 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 337 | 337 | | 600 649 | | |
| 28/ 27 | .4 | 1.9 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 234 | 234 | | 426 596 | | |
| 26/ 25 | .3 | 1.2 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | 145 | | 289 589 | | |
| 24/ 23 | .1 | 1.3 | .3 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 130 | 130 | | 169 570 | | |
| 22/ 21 | .2 | .4 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 | 53 | | 127 288 | | |
| 20/ 19 | .0 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | 40 | | 47 262 | | |
| 18/ 17 | .0 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | | 52 152 | | |
| 16/ 15 | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | | 40 112 | | |
| 14/ 13 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 23 125 | | |
| 12/ 11 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | | 17 115 | | |
| 10/ 9 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | | 17 80 | | |
| 8/ 7 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | 4 59 | | |
| 6/ 5 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 33 | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| Element (X) | Σx^2 | | Σx | | \bar{x} | | s_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | | | | | | | | | | | | | | |
| Rel Hum | | | | | | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

2-7c

YEARS

444
4057

PAGE 2

ALL

MOLES

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|---------|------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | *31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Pt. | | | | | | | | | | | | | | |
| TOTAL | 2.4 | 38.5 | 75.4 | 12.2 | 6.3 | 2.0 | 1.2 | .5 | .6 | .2 | .0 | | | | | | | | | 7439 | | 7439 | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------|
| | | | | | | $\leq 0^\circ \text{F}$ | $\leq 32^\circ \text{F}$ | $\geq 67^\circ \text{F}$ | $\geq 73^\circ \text{F}$ | $\geq 80^\circ \text{F}$ | $\geq 93^\circ \text{F}$ | |
| Rel. Hum. | 40572513 | 538773 | 72.4 | 14.443 | 7439 | | | | | | | |
| Dry Bulb | 11742768 | 288722 | 38.8 | 8.496 | 7439 | | 156.9 | .2 | | | | 744 |
| Wet Bulb | 9693799 | 262855 | 35.3 | 7.387 | 7439 | | 258.2 | | | | | 744 |
| Dew Point | 7287330 | 223940 | 30.1 | 8.567 | 7439 | | 442.1 | | | | | 744 |

PSYCHROMETRIC SUMMARY

3-7,

495

PAGE 1 0000-0200

| Temp
° | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-----------|-------------------------------------|-------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 58/ 57 | | | | | .2 | .1 | .1 | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 56/ 55 | | | .4 | .5 | | .1 | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | |
| 54/ 53 | | .5 | 1.1 | .2 | .2 | .5 | .1 | | | | | | | | | | | 22 | 22 | | | | | | | | | | | | | | | | |
| 52/ 51 | | .9 | 1.6 | .2 | .7 | .2 | | | | | | | | | | | | 30 | 30 | | | | | | | | | | | | | | | | |
| 50/ 49 | | 1.4 | 2.7 | 1.3 | .7 | .7 | | | | | | | | | | | | 53 | 53 | 30 | 9 | | | | | | | | | | | | | | |
| 48/ 47 | | 2.1 | 2.1 | 1.7 | 1.5 | .1 | | | | | | | | | | | | 64 | 64 | 31 | 15 | | | | | | | | | | | | | | |
| 46/ 45 | | 3.6 | 4.1 | 2.2 | 1.2 | | | | | | | | | | | | | 90 | 90 | 46 | 28 | | | | | | | | | | | | | | |
| 44/ 43 | .5 | 2.5 | 3.2 | 1.4 | .5 | | | | | | | | | | | | | 65 | 65 | 78 | 35 | | | | | | | | | | | | | | |
| 42/ 41 | .2 | 2.7 | 3.6 | 2.8 | .5 | .1 | | | | | | | | | | | | 81 | 81 | 87 | 44 | | | | | | | | | | | | | | |
| 40/ 39 | | 4.5 | 3.8 | .7 | .9 | .1 | | | | | | | | | | | | 82 | 82 | 71 | 56 | | | | | | | | | | | | | | |
| 38/ 37 | .2 | 4.8 | 3.2 | 1.7 | .1 | | | | | | | | | | | | | 82 | 82 | 96 | 60 | | | | | | | | | | | | | | |
| 36/ 35 | .5 | 4.6 | 4.8 | .9 | | | | | | | | | | | | | | 88 | 88 | 87 | 79 | | | | | | | | | | | | | | |
| 34/ 33 | | 2.5 | 3.1 | .2 | | | | | | | | | | | | | | 47 | 47 | 91 | 94 | | | | | | | | | | | | | | |
| 32/ 31 | | 3.2 | 2.8 | .1 | | | | | | | | | | | | | | 50 | 50 | 78 | 72 | | | | | | | | | | | | | | |
| 30/ 29 | | 3.1 | .4 | | | | | | | | | | | | | | | 28 | 28 | 66 | 77 | | | | | | | | | | | | | | |
| 28/ 27 | .5 | .5 | .6 | | | | | | | | | | | | | | | 13 | 13 | 28 | 73 | | | | | | | | | | | | | | |
| 26/ 25 | .5 | .2 | | | | | | | | | | | | | | | | 6 | 6 | 12 | 73 | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 3 | 57 | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| TOTAL | 2.636 | 9.937 | 4.13 | 8 | 7.0 | 2.1 | .2 | | | | | | | | | | | 813 | 813 | 813 | 613 | | | | | | | | | | | | | | |

| Element (X) | Σx² | Σx | \bar{x} | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|---------|-------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 4567359 | 60173 | 4.012 | 2.834 | 813 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 1399088 | 33278 | 40.9 | 6.745 | 813 | | 10.7 | | | | | 90 |
| Wet Bulb | 1177887 | 30545 | 37.6 | 6.108 | 813 | | 20.9 | | | | | 90 |
| Dew Point | 920785 | 26737 | 32.9 | 7.168 | 813 | | 43.5 | | | | | 90 |

PSYCHROMETRIC SUMMARY

9-7

24

PAGE 1 0300-0500

[illegible]

PSYCHROMETRIC SUMMARY

Q-74

22

PAGE : 0000-0000

[illegible]

3404. BITEJAC 4- GERMANY

6-7

REF ID: A55

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Page : 0900-1100

| Temp. | | MET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | | TOTAL | | | |
|-------|----|-----------------------------------|------|------|------|------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|----------|----------|-----------|--|--|--|
| F | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 63/ | 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 2 | | | | | |
| 65/ | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | |
| 64/ | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 10 | | | | | |
| 62/ | 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | | | | | |
| 67/ | 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | | | | | |
| 58/ | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | | | | | |
| 55/ | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 30 | 7 | | | | |
| 54/ | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 56 | 58 | 2 | | | | |
| 52/ | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 59 | 57 | 26 | 4 | | | |
| 50/ | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | 91 | 62 | 21 | | | |
| 48/ | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 80 | 80 | 75 | 27 | | | |
| 46/ | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 92 | 39 | | | |
| 44/ | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 38 | 34 | 52 | | | |
| 42/ | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 97 | 50 | | | |
| 40/ | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 80 | 80 | 94 | 73 | | | |
| 38/ | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 68 | 68 | 111 | 68 | | | |
| 35/ | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 99 | 108 | | | |
| 34/ | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 74 | 71 | | | |
| 32/ | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 44 | 99 | | | |
| 30/ | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 35 | 77 | | | |
| 28/ | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 4 | 8 | | | |
| 25/ | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 63 | | | |
| 24/ | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | | | | |
| 22/ | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 20/ | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 18/ | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| 15/ | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | | 1.3 | 19.7 | 20.2 | 18.1 | 14.0 | 6.0 | 3.0 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | 899 | 499 | 399 | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|------------------|------------------|------------------|------------------|------------------|-------|
| Rel. Hum. | 4362647 | 61297 | 58.2 | 14.283 | 899 | $\pm 0^\circ F$ | $\pm 32^\circ F$ | $\pm 67^\circ F$ | $\pm 73^\circ F$ | $\pm 80^\circ F$ | $\pm 93^\circ F$ | |
| Dry Bulb | 1902733 | 40815 | 45.4 | 7.440 | 899 | | 2.6 | .2 | | | | 90 |
| Wet Bulb | 1522651 | 36591 | 40.7 | 6.092 | 899 | | 8.4 | | | | | 90 |
| Dew Point | 1130017 | 31385 | 34.9 | 6.947 | 899 | | 36.0 | | | | | 90 |

PSYCHROMETRIC SUMMARY

Q-7-

VF ASS

APR
1954

PAGE 1 1200-1400
HOURS 1200-1400

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR CATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34041 BITBURG AB GERMANY
STATION STATION NAME

9-70

YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS L. S. T.

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|----|-------|----|--------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | | .1 | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | 1 | | |
| 72/ 71 | | | | | | | | | .1 | .1 | .2 | | | | | | | 4 | | | | | | | | | | | | | | | 4 | | 4 | | |
| 70/ 69 | | | | | | | | | .4 | .4 | | .6 | | | | | | 13 | | | | | | | | | | | | | | | 13 | | 13 | | |
| 68/ 67 | | | | | | | .1 | .9 | .8 | .3 | .7 | .2 | | | | | | 36 | | | | | | | | | | | | | | | 36 | | 36 | | |
| 66/ 65 | | | | | | .1 | .4 | 1.3 | 1.3 | | | | | | | | | 29 | | | | | | | | | | | | | | | 29 | | 29 | | |
| 64/ 63 | | | | | .3 | .3 | .6 | 1.8 | 1.2 | .1 | | | | | | | | 39 | | | | | | | | | | | | | | | 39 | | 39 | | |
| 62/ 61 | | | | | .6 | .4 | 1.4 | .9 | .4 | | | | | | | | | 34 | | | | | | | | | | | | | | | 34 | | 34 | | |
| 60/ 59 | | .2 | .1 | .7 | .3 | .6 | 1.4 | .6 | | | | | | | | | | 37 | | | | | | | | | | | | | | | 37 | | 37 | | |
| 58/ 57 | | | | .6 | .4 | .7 | 1.3 | 1.2 | | | | | | | | | | 38 | | | | | | | | | | | | | | | 38 | | 38 | 6 | |
| 56/ 55 | | | .1 | .4 | 1.4 | 1.7 | 1.6 | .7 | .3 | | | | | | | | | 56 | | | | | | | | | | | | | | | 56 | | 56 | 15 2 | |
| 54/ 53 | | .3 | 1.4 | 1.9 | 1.4 | 1.2 | 1.8 | .7 | .1 | .2 | | | | | | | | 82 | | | | | | | | | | | | | | | 82 | | 82 | 33 1 | |
| 52/ 51 | | | 2.1 | 1.0 | 1.6 | .8 | 1.2 | .2 | | | | | | | | | | 64 | | | | | | | | | | | | | | | 64 | | 64 | 53 | |
| 50/ 49 | .1 | 1.3 | 1.9 | 2.2 | 1.8 | 1.7 | 1.1 | .1 | | | | | | | | | | 92 | | | | | | | | | | | | | | | 92 | | 92 | 101 19 | |
| 48/ 47 | | .9 | 1.4 | .9 | 1.9 | 1.0 | .2 | | | | | | | | | | | 57 | | | | | | | | | | | | | | | 57 | | 57 | 94 32 | |
| 46/ 45 | | | 1.8 | 1.2 | 1.7 | 1.9 | .9 | .2 | | | | | | | | | | 69 | | | | | | | | | | | | | | | 69 | | 69 | 93 39 | |
| 44/ 43 | | | | 1.8 | 1.7 | 1.4 | 2.9 | .9 | | | | | | | | | | 78 | | | | | | | | | | | | | | | 78 | | 78 | 88 44 | |
| 42/ 41 | | | .9 | 2.8 | 1.6 | .9 | .2 | | | | | | | | | | | 57 | | | | | | | | | | | | | | | 57 | | 57 | 85 59 | |
| 40/ 39 | | | .7 | 2.0 | 1.4 | .6 | | | | | | | | | | | | 42 | | | | | | | | | | | | | | | 42 | | 42 | 87 60 | |
| 38/ 37 | .3 | 1.4 | 1.2 | 1.3 | .1 | | | | | | | | | | | | | 40 | | | | | | | | | | | | | | | 40 | | 40 | 88 89 | |
| 36/ 35 | | .6 | .9 | .7 | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | | | 19 | | 19 | 78 93 | |
| 34/ 33 | | .6 | .9 | | | | | | | | | | | | | | | 13 | | | | | | | | | | | | | | | 13 | | 13 | 46 80 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 97 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 70 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 67 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Element (°) | Σx² | Σx | X̄ | s² | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≥ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

3404' BITBURG AD GERMANY
STATION NAME

9-7

YEARS

APR

MON

PAGE 1 1800-2000
HOURS

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|-------|------|------|------|------|-------|-------|-------|--------|--------|--------|--------|--------|-------|-------|------|-----------|------------------------------------|----------|-----------|-----|----|-----|-------|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | | | | .1 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | .2 | .1 | .1 | .1 | .1 | .1 | | | | | | 7 | 7 | | | | | | | | | | | | | | | | |
| 66/ 65 | | | | | | | | .4 | .2 | .0 | | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 64/ 63 | | | | | .1 | .6 | .2 | .6 | .7 | .1 | .1 | | | | | | | 21 | 21 | | | | | | | | | | | | | | | | |
| 62/ 61 | | | | .3 | .4 | .3 | .9 | 1.0 | .2 | | | | | | | | | 26 | 26 | | | | | | | | | | | | | | | | |
| 60/ 59 | | | | .3 | .7 | .8 | 1.2 | .9 | .3 | | | | | | | | | 38 | 38 | | | | | | | | | | | | | | | | |
| 58/ 57 | | .3 | | .3 | .6 | .7 | 1.4 | .7 | | | | | | | | | | 36 | 36 | | | | | | | | | | | | | | | | |
| 56/ 55 | | .1 | .3 | .7 | .6 | 2.4 | 1.1 | .2 | | | | | | | | | | 51 | 51 | 9 | 1 | | | | | | | | | | | | | | |
| 54/ 53 | | .3 | 1.4 | 1.6 | 1.8 | .9 | 1.0 | | | | | | | | | | | 63 | 63 | 16 | 2 | | | | | | | | | | | | | | |
| 52/ 51 | | .3 | 1.3 | .3 | 1.9 | 1.1 | 1.1 | .2 | | | | | | | | | | 61 | 61 | 33 | 1 | | | | | | | | | | | | | | |
| 50/ 49 | .2 | 1.1 | 3.1 | 1.3 | 1.4 | 1.2 | .2 | .2 | | | | | | | | | | 80 | 80 | 68 | 15 | | | | | | | | | | | | | | |
| 48/ 47 | .3 | 1.1 | 2.7 | 1.7 | 1.6 | 1.3 | .2 | | | | | | | | | | | 80 | 80 | 66 | 29 | | | | | | | | | | | | | | |
| 46/ 45 | .1 | 1.4 | 1.4 | 2.0 | 1.3 | .9 | .3 | | | | | | | | | | | 68 | 68 | 103 | 42 | | | | | | | | | | | | | | |
| 44/ 43 | .2 | 1.9 | 1.4 | 1.8 | 2.2 | .3 | .1 | | | | | | | | | | | 72 | 72 | 103 | 41 | | | | | | | | | | | | | | |
| 42/ 41 | | 2.1 | 3.3 | 1.9 | 1.6 | .6 | | | | | | | | | | | | 90 | 90 | 72 | 60 | | | | | | | | | | | | | | |
| 40/ 39 | .3 | 2.3 | 2.7 | 2.0 | .7 | .1 | | | | | | | | | | | | 75 | 75 | 92 | 61 | | | | | | | | | | | | | | |
| 38/ 37 | .1 | 1.6 | 2.4 | 1.0 | .3 | | | | | | | | | | | | | 49 | 49 | 96 | 70 | | | | | | | | | | | | | | |
| 36/ 35 | | 1.4 | 2.1 | .2 | .2 | | | | | | | | | | | | | 36 | 36 | 68 | 110 | | | | | | | | | | | | | | |
| 34/ 33 | | 1.2 | 1.6 | | | | | | | | | | | | | | | 25 | 25 | 66 | 75 | | | | | | | | | | | | | | |
| 32/ 31 | | .3 | .2 | .1 | | | | | | | | | | | | | | 6 | 6 | 43 | 74 | | | | | | | | | | | | | | |
| 30/ 29 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 19 | 77 | | | | | | | | | | | | | | |
| 28/ 27 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 4 | 77 | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | 71 | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 48 | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| TOTAL | 1.4 | 15.9 | 24.9 | 15.7 | 15.6 | 11.2 | 8.1 | 4.3 | 1.7 | .8 | .2 | .1 | | | | | | | 899 | | 899 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 899 | | 899 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ x' | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | Σ x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | |
| Rel. Hum. | 3717338 | 55488 | 61.7 | 18.0 | 48 | | | 899 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 2098000 | 42798 | 47.6 | 6.2 | 11 | | | 899 | | .9 | .3 | | | | | | | | | | | | 90 | | | | | | | | | | | | |
| Wet Bulb | 1578281 | 37261 | 41.4 | 6.1 | 46 | | | 899 | | 6.7 | | | | | | | | | | | | | 90 | | | | | | | | | | | | |
| Dew Point | 1085311 | 30477 | 33.9 | 7.6 | 18 | | | 899 | | 39.2 | | | | | | | | | | | | | 90 | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 1 2100-2300
HOURS 5 *

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|-------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|----------|----------|-----------|----|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | | | .1 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | .1 | .1 | .1 | .2 | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 62/ 61 | | | | | .2 | .1 | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | |
| 60/ 59 | | | .1 | .1 | | .5 | .1 | .1 | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | |
| 58/ 57 | | | .1 | .6 | .1 | .2 | .1 | .5 | | | | | | | | | | 14 | 14 | | | | | | | | | | | | | | | | |
| 56/ 55 | | .1 | .5 | | .6 | .7 | .1 | .1 | | | | | | | | | | 18 | 18 | 3 | | | | | | | | | | | | | | | |
| 54/ 53 | | .7 | 1.6 | .6 | .9 | 1.0 | .7 | | | | | | | | | | | 45 | 45 | 9 | 1 | | | | | | | | | | | | | | |
| 52/ 51 | .1 | .7 | 2.0 | .6 | 2.0 | .6 | | | | | | | | | | | | 49 | 49 | 21 | 3 | | | | | | | | | | | | | | |
| 50/ 49 | | 1.9 | 3.2 | 3.0 | 2.3 | 1.0 | .1 | | | | | | | | | | | 93 | 93 | 27 | 23 | | | | | | | | | | | | | | |
| 48/ 47 | | 1.5 | 2.5 | 1.7 | 1.5 | .9 | | | | | | | | | | | | 65 | 65 | 52 | 19 | | | | | | | | | | | | | | |
| 46/ 45 | .1 | 3.5 | 2.3 | 3.2 | .6 | .2 | .1 | | | | | | | | | | | 82 | 82 | 63 | 25 | | | | | | | | | | | | | | |
| 44/ 43 | .1 | 1.9 | 2.2 | 2.2 | 1.4 | .7 | | | | | | | | | | | | 69 | 69 | 95 | 37 | | | | | | | | | | | | | | |
| 42/ 41 | .5 | 2.2 | 1.9 | 2.0 | .6 | .2 | | | | | | | | | | | | 60 | 60 | 64 | 45 | | | | | | | | | | | | | | |
| 40/ 39 | .1 | 2.8 | 2.3 | 1.5 | 1.2 | | | | | | | | | | | | | 65 | 65 | 62 | 55 | | | | | | | | | | | | | | |
| 38/ 37 | .5 | 3.3 | 3.5 | 2.1 | .2 | | | | | | | | | | | | | 78 | 78 | 80 | 59 | | | | | | | | | | | | | | |
| 36/ 35 | .1 | 3.5 | 4.9 | .5 | .1 | | | | | | | | | | | | | 74 | 74 | 73 | 95 | | | | | | | | | | | | | | |
| 34/ 33 | | 1.4 | 2.6 | .6 | | | | | | | | | | | | | | 39 | 39 | 100 | 66 | | | | | | | | | | | | | | |
| 32/ 31 | .2 | 1.7 | 1.4 | .1 | | | | | | | | | | | | | | 28 | 28 | 67 | 100 | | | | | | | | | | | | | | |
| 30/ 29 | .2 | .6 | .1 | | | | | | | | | | | | | | | 8 | 8 | 37 | 65 | | | | | | | | | | | | | | |
| 28/ 27 | .4 | .1 | .1 | | | | | | | | | | | | | | | 5 | 5 | 15 | 75 | | | | | | | | | | | | | | |
| 26/ 25 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 61 | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 | 32 | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | |
| TOTAL | 2.526 | 6.71 | 1.618 | 9.11 | 9 | 6.4 | 1.5 | .9 | .4 | | | | | | | | | | | 810 | 810 | 10 | 10 | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 4061496 | 55996 | 69.11 | 5.343 | 810 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 1590866 | 35412 | 43.7 | 7.266 | 810 | | 4.7 | .1 | | | | 90 |
| Wet Bulb | 1285200 | 31870 | 39.3 | 6.215 | 810 | | 13.4 | | | | | 90 |
| Dew Point | 959565 | 27203 | 33.6 | 7.539 | 810 | | 42.4 | | | | | 90 |

GLOBAL CLIMATOLOGY BOARD
USAFETAC
AIR LEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

3404/ BITBURG AB GERMANY
STATION

9-7

YEARS

APR

MONTH

PAGE 1

ALL

HOURS C.S.F.

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TO AL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------------------------------|----------|----------|-----------|--------|--------|-------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | .0 | .0 | | | | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | | .0 | .1 | .0 | | | | | | | | 3 | | | 8 | | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | .0 | | .1 | .1 | | .1 | | | | | | | 19 | | | 19 | | | | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | .1 | .2 | .2 | .2 | .1 | .0 | | | | | | 60 | | | 60 | | | | | | | | | | | | | | | | | |
| 66/ 65 | | | | | | .1 | .1 | .4 | .2 | .2 | | | | | | | | 61 | | | 61 | | | | | | | | | | | | | | | | | |
| 64/ 63 | | | | | .1 | .2 | .2 | .7 | .4 | .0 | .0 | | | | | | | 114 | | | 114 | | | | | | | | | | | | | | | | | |
| 62/ 61 | | | .0 | .0 | .2 | .2 | .5 | .4 | .1 | | | | | | | | | 107 | | | 107 | | | | | | | | | | | | | | | | | |
| 60/ 59 | | .0 | .1 | .2 | .2 | .5 | .6 | .3 | .1 | | | | | | | | | 142 | | | 142 | | | | | | | | | | | | | | | | | |
| 58/ 57 | | .0 | .1 | .3 | .3 | .6 | .6 | .3 | | | | | | | | | | 156 | | | 156 | | | | | | | | | | | | | | | | | |
| 56/ 55 | | .0 | .3 | .4 | .7 | 1.0 | .5 | .1 | .1 | | | | | | | | | 216 | | | 216 | | | | | | | | | | | | | | | | | |
| 54/ 53 | | .4 | 1.3 | .9 | .9 | .9 | .6 | .1 | .0 | .0 | | | | | | | | 363 | | | 363 | | | | | | | | | | | | | | | | | |
| 52/ 51 | .0 | .6 | 1.5 | .6 | 1.4 | .6 | .4 | .1 | | | | | | | | | | 360 | | | 360 | | | | | | | | | | | | | | | | | |
| 50/ 49 | .1 | 1.0 | 2.5 | 1.7 | 1.4 | .8 | .3 | .1 | | | | | | | | | | 592 | | | 592 | | | | | | | | | | | | | | | | | |
| 48/ 47 | .1 | 1.5 | 2.2 | 1.4 | 1.5 | .0 | .1 | | | | | | | | | | | 512 | | | 512 | | | | | | | | | | | | | | | | | |
| 46/ 45 | .1 | 2.0 | 2.7 | 2.1 | 1.4 | .5 | .1 | | | | | | | | | | | 672 | | | 672 | | | | | | | | | | | | | | | | | |
| 44/ 43 | .1 | 2.2 | 2.2 | 1.9 | 1.4 | .3 | .0 | | | | | | | | | | | 572 | | | 572 | | | | | | | | | | | | | | | | | |
| 42/ 41 | .1 | 2.5 | 3.2 | 2.2 | .0 | .2 | | | | | | | | | | | | 624 | | | 624 | | | | | | | | | | | | | | | | | |
| 40/ 39 | .1 | 3.1 | 3.5 | 1.3 | .6 | .0 | | | | | | | | | | | | 606 | | | 606 | | | | | | | | | | | | | | | | | |
| 38/ 37 | .2 | 3.2 | 2.5 | 1.3 | .2 | | | | | | | | | | | | | 510 | | | 510 | | | | | | | | | | | | | | | | | |
| 36/ 35 | .2 | 3.0 | 3.5 | .6 | .0 | | | | | | | | | | | | | 514 | | | 514 | | | | | | | | | | | | | | | | | |
| 34/ 33 | .2 | 1.8 | 2.2 | .2 | | | | | | | | | | | | | | 300 | | | 300 | | | | | | | | | | | | | | | | | |
| 32/ 31 | .1 | 2.2 | 1.1 | .1 | | | | | | | | | | | | | | 246 | | | 246 | | | | | | | | | | | | | | | | | |
| 30/ 29 | .1 | 1.5 | .2 | | | | | | | | | | | | | | | 178 | | | 178 | | | | | | | | | | | | | | | | | |
| 28/ 27 | .3 | .3 | .1 | | | | | | | | | | | | | | | | 52 | | | 150 | | | | | | | | | | | | | | | | |
| 26/ 25 | .1 | .2 | | | | | | | | | | | | | | | | 21 | | | 21 | | | | | | | | | | | | | | | | | |
| 24/ 23 | .0 | .0 | | | | | | | | | | | | | | | | 4 | | | 4 | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX ² | ΣX | | | | | | | | | | | | | | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

2-7,

APR
1955

PAGE 2

311

NCES

[illegible]

JSAFETAC
FORM
031 44
0-26 5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

3-7 , 72-73

$$-\Delta Y$$

PAGE 1 0000-0200

| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-----------|-------------------------------------|------|------|-----|-----|------|----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|-----------|----------|----------|-----------|----|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11 | 12-15 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 65/ 65 | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | 7 | 2 | | | | | | | |
| 62/ 61 | | | | .2 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | 5 | 8 | | | | | | | |
| 60/ 59 | | .1 | .4 | .4 | 1.0 | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 7 | | | | | | |
| 56/ 57 | | | .0 | 1.2 | .2 | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 7 | | | | | | |
| 56/ 55 | | .5 | 1.7 | 3.0 | 1.7 | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | 10 | 1 | | | | | |
| 54/ 53 | .2 | 2.5 | 2.5 | 3.3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | 84 | 84 | 24 | 11 | | | | | |
| 52/ 51 | .1 | 4.2 | 5.1 | 1.1 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | 98 | 98 | 67 | 15 | | | | | |
| 50/ 49 | .5 | 5.5 | 5.0 | 2.3 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | 121 | 121 | 110 | 63 | | | | | |
| 48/ 47 | .2 | 5.0 | 5.0 | 1.4 | .0 | .1 | | | | | | | | | | | | | | | | | | | | | 100 | 100 | 129 | 78 | | | | | |
| 46/ 45 | .2 | 6.8 | 3.0 | 1.4 | .7 | | | | | | | | | | | | | | | | | | | | | | 132 | 102 | 124 | 104 | | | | | |
| 44/ 43 | .7 | 3.2 | 2.9 | 1.7 | .4 | | | | | | | | | | | | | | | | | | | | | | 74 | 74 | 119 | 0 | | | | | |
| 42/ 41 | .2 | 3.7 | 2.0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | 61 | 118 | | | | | |
| 40/ 39 | .1 | 3.1 | 1.0 | .2 | | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 73 | 85 | | | | | |
| 38/ 37 | .0 | 1.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 65 | 90 | | | | | |
| 36/ 35 | | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 31 | 63 | | | | | |
| 34/ 33 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 12 | 34 | | | | | |
| 32/ 31 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 3 | 32 | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| TOTAL | 3.237 | 0.72 | 5.17 | 8 | 8.3 | .6 | | | | | | | | | | | | | | | | | | | | | 836 | 836 | 836 | 36 | | | | | |

| Element (X) | Σ x ² | Σ x | \bar{x} | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------------|-------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum | 5170923 | 64999 | 77.8 | 11.850 | 836 | ≤ 0 F | ≤ 12 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 1971087 | 40325 | 48.2 | 5.578 | 836 | | .1 | | | | | 93 |
| Wet Bulb | 1707386 | 37546 | 44.9 | 5.032 | 836 | | .3 | | | | | 93 |
| Dew Point | 1457325 | 34557 | 41.3 | 5.880 | 836 | | 8.2 | | | | | 93 |

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY SERVICE
USAFETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34044 BITBURG AB GERMANY
STATION STATION NAME

9-7

YEARS

MAY
MONTH

PAGE 1 0300-0500
HOURS

| Temp
°F | WET BULB TEMPERATURE DEPRESSION (°F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | |
|------------|--------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|---------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | DB, WB, | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | |
| 64/ 63 | | | .1 | .2 | | | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | |
| 62/ 61 | | | .3 | .1 | | | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | | | | | |
| 60/ 59 | | | .1 | .2 | .2 | | | | | | | | | | | | | 5 | 5 | 1 | | | | | | | | | | | | | | | | | | | |
| 58/ 57 | | .2 | .5 | .5 | .6 | | | | | | | | | | | | | 15 | 15 | 5 | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | | .6 | 1.0 | 2.1 | .5 | | | | | | | | | | | | | 43 | 43 | 7 | 1 | | | | | | | | | | | | | | | | | | |
| 54/ 53 | .1 | 2.6 | 2.1 | 2.5 | .7 | | | | | | | | | | | | | 73 | 70 | 23 | 13 | | | | | | | | | | | | | | | | | | |
| 52/ 51 | .5 | 4.1 | 4.7 | .5 | .1 | | | | | | | | | | | | | 89 | 89 | 54 | 20 | | | | | | | | | | | | | | | | | | |
| 50/ 49 | .5 | 6.3 | 6.0 | 2.2 | .2 | .1 | | | | | | | | | | | | 133 | 133 | 104 | 70 | | | | | | | | | | | | | | | | | | |
| 48/ 47 | .2 | 6.7 | 4.4 | .8 | .1 | | | | | | | | | | | | | 106 | 106 | 115 | 81 | | | | | | | | | | | | | | | | | | |
| 46/ 45 | 1.5 | 6.2 | 4.3 | 1.4 | | | | | | | | | | | | | | 117 | 117 | 125 | 110 | | | | | | | | | | | | | | | | | | |
| 44/ 43 | 1.3 | 6.1 | 2.4 | 1.8 | | | | | | | | | | | | | | 101 | 101 | 121 | 99 | | | | | | | | | | | | | | | | | | |
| 42/ 41 | .3 | 4.5 | 1.7 | .9 | | | | | | | | | | | | | | 65 | 65 | 99 | 98 | | | | | | | | | | | | | | | | | | |
| 40/ 39 | .1 | 3.0 | 2.5 | | | | | | | | | | | | | | | 49 | 49 | 76 | 89 | | | | | | | | | | | | | | | | | | |
| 38/ 37 | .7 | 2.0 | 2.0 | | | | | | | | | | | | | | | 40 | 40 | 61 | 99 | | | | | | | | | | | | | | | | | | |
| 36/ 35 | .6 | 1.4 | .3 | | | | | | | | | | | | | | | 20 | 20 | +3 | 61 | | | | | | | | | | | | | | | | | | |
| 34/ 33 | .2 | .5 | | | | | | | | | | | | | | | | 6 | 6 | 29 | 35 | | | | | | | | | | | | | | | | | | |
| 32/ 31 | .2 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 4 | 55 | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| TOTAL | 6.344.573.313.3 2.4 .1 | | | | | | | | | | | | | | | | | | | | 869 | 869 | | | | | | | | | | | | | | | | | |

| Element (°) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum | 5811067 | 70439 | 81.110 | 8.11 | 869 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | 93 |
| Dry Bulb | 1947073 | 40791 | 46.91 | 5.612 | 869 | | 3 | | | | | 93 |
| Wet Bulb | 1722200 | 38420 | 44.21 | 5.213 | 869 | | 4 | | | | | 93 |
| Dew Point | 1509460 | 35844 | 41.21 | 5.975 | 869 | | | 10.0 | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) 100 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3404 BITBURK AS GFK AN
STATION STATION

Q-7

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USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAL
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

3404: BITBURG 46 GERMANY
STATION

Q-7

YEARS

DAY
MONTH

PAGE 1 0700-1100

| Temp
F | WET BULB TEMPERATURE DEPRESSION - F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL
D.B. W.B. Dry Bulb | | | TOTAL
Wet Bulb Dew Pt | | |
|-------------|-------------------------------------|-----|-------|-----|--------|-----|----------------|----|----------|----|------------------------------------|----|--------|----|--------|----|--------|----|--------|----|--------|----|-------|----|----|----|----|----|--|--|-----|-----|-----|-----------------------------|-----|--|--------------------------|--|--|
| 0 | 1 | 2 | 3-4 | 5-6 | 7-8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| 75/ 75 | | | | | | | | | .1 | | | | .1 | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | |
| 74/ 73 | | | | | | | | .1 | | | | | .1 | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | |
| 72/ 71 | | | | | | | | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | | |
| 70/ 69 | | | | | | .2 | .3 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | 15 | 10 | | | | | | | |
| 68/ 67 | | | | | 1.1 | 1.2 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | | | | | | | |
| 66/ 65 | | | | 1.1 | .5 | 1.1 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 1 | | | | | | |
| 64/ 63 | | | .4 | .3 | 1.2 | 1.1 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | 30 | 39 | 2 | | | | | | |
| 62/ 61 | | | 1.3 | .6 | 2.3 | .1 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | 60 | 60 | 12 | | | | | | |
| 60/ 59 | | .2 | 1.3 | 2.3 | 1.0 | .9 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 32 | 1 | | | | | |
| 58/ 57 | | .4 | 2.3 | 3.0 | 2.3 | 1.5 | .5 | | | | | | | | | | | | | | | | | | | | | | | | 93 | 93 | 48 | 6 | | | | | |
| 56/ 55 | | 1.3 | 3.7 | 4.7 | 2.0 | 1.1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | 127 | 127 | 26 | 26 | | | | | |
| 54/ 53 | | 2.3 | 3.4 | 4.3 | 2.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 116 | 116 | 107 | 39 | | | | | |
| 52/ 51 | | 2.2 | 3.2 | 1.1 | 1.3 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 77 | 77 | 118 | 63 | | | | | |
| 50/ 49 | .2 | 3.5 | 3.2 | 2.3 | 1.5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 102 | 102 | 106 | 116 | | | | | |
| 48/ 47 | .1 | 1.9 | 1.7 | .8 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 123 | 121 | | | | | |
| 46/ 45 | .1 | 3.3 | 1.5 | .9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 61 | 61 | 93 | 137 | | | | | |
| 44/ 43 | .1 | 1.8 | .8 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 70 | 86 | | | | | |
| 42/ 41 | | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 56 | 75 | | | | | |
| 40/ 39 | | .3 | .2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 33 | 83 | | | | | |
| 38/ 37 | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 14 | 61 | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 41 | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 16 | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| TOTAL | .518.123.423.119.2 9.9 4.6 .8 .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 930 | 930 | 930 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 930 | | 930 | | | | |
| Element (X) | Σx' | | Σx | | x̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | | | | | | | | | | | | | | |
| Rel Hum | 459-907 | | 64099 | | 68.913 | | 820 | | 93 | | ≤ 0 F | | ≤ 32 F | | ≤ 67 F | | ≤ 73 F | | ≤ 80 F | | ≤ 93 F | | Total | | | | | | | | | | | | | | | | |
| Dry Bulb | 282-013 | | 50895 | | 54.7 | | 6.783 | | 93 | | | | | | 5.0 | | .5 | | | | | | 93 | | | | | | | | | | | | | | | | |
| Wet Bulb | 228-577 | | 45823 | | 49.3 | | 5.469 | | 93 | | | | | | | | | | | | | | 93 | | | | | | | | | | | | | | | | |
| Dew Point | 185-378 | | 41090 | | 44.2 | | 6.388 | | 93 | | | | | | 5.7 | | | | | | | | 93 | | | | | | | | | | | | | | | | |

USAFETAC FORM 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

• **LESS**

Page 1 1200-1400

[illegible]

GLOBAL CLIMATE DATA
USAF/TAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34740 BITBURG AB GERMANY
STATION NAME

0-7

PAY
UNIT

PAGE 1 1500-1700

| Temp
F | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL
DB, WB | | TOTAL
Dry Bulb | | TOTAL
Wet Bulb | | Dew Pt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05/ 05 | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAF/TAC FORM 0-26.5 (01 A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

54.4 2,700 29.6

| | |
|------|----------|
| | C. M. V. |
| 1985 | C. M. V. |

Page 150-200

[illegible]

| | |
|---------|--------------------|
| 34049 | P'TBURG AD GERMANY |
| STATION | STATION NAME |

9-7, 72-78

PAGE 1 2100-2500
MAY MONTH
HOURS U. S. T

| Temp
(F) | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | TOTAL
D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
|-------------|-----|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--------------------|----------|----------|-----------|
| 72/ 71 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | |
| 70/ 69 | | | | | .1 | .2 | .1 | | | | | | | | | | | 4 | 4 | | |
| 68/ 67 | | | | | .1 | .4 | .1 | .1 | | | | | | | | | | 6 | 6 | | |
| 66/ 6 | | | | | .1 | .5 | .4 | | | | | | | | | | | 8 | 8 | | |
| 64/ 63 | | | .2 | .4 | .2 | .6 | .2 | | | | | | | | | | | 14 | 14 | | |
| 62/ 61 | | | .4 | .4 | 1.7 | .7 | .3 | | | | | | | | | | | 28 | 28 | 3 | |
| 60/ 59 | | | | .8 | 1.9 | 1.2 | .1 | | | | | | | | | | | 34 | 34 | 5 | |
| 58/ 57 | | | 1.3 | 2.3 | 2.9 | 1.3 | .2 | | | | | | | | | | | 67 | 67 | 10 | |
| 56/ 55 | .1 | 1.9 | 2.5 | 1.9 | 1.9 | 1.6 | .1 | | | | | | | | | | | 84 | 84 | 18 | 8 |
| 54/ 53 | .2 | 2.9 | 3.9 | 4.2 | 1.8 | .7 | .2 | | | | | | | | | | | 117 | 117 | 78 | 16 |
| 52/ 51 | | 2.4 | 5.1 | 1.9 | 2.9 | .6 | | | | | | | | | | | | 110 | 110 | 97 | 25 |
| 50/ 49 | .4 | 3.3 | 5.0 | 3.1 | 1.4 | .1 | | | | | | | | | | | | 112 | 112 | 108 | 91 |
| 48/ 47 | .2 | 3.6 | 3.3 | 1.1 | 1.1 | .5 | | | | | | | | | | | | 82 | 82 | 136 | 82 |
| 46/ 45 | .4 | 3.3 | 1.3 | 1.9 | .5 | .1 | | | | | | | | | | | | 63 | 63 | 128 | 109 |
| 44/ 43 | .2 | 2.3 | 1.9 | 1.1 | .4 | | | | | | | | | | | | | 49 | 49 | 85 | 98 |
| 42/ 41 | .2 | 1.8 | .5 | .8 | | | | | | | | | | | | | | 28 | 28 | 56 | 91 |
| 40/ 39 | | 2.4 | .2 | .1 | | | | | | | | | | | | | | 23 | 23 | 54 | 78 |
| 38/ 37 | | .4 | .4 | | | | | | | | | | | | | | | 6 | 6 | 41 | 75 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 9 | 71 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | 25 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 33 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 15 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 11 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 7 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 1.6 | 24.3 | 26.2 | 20.0 | 17.0 | 8.7 | .8 | .2 | | | | | | | | | | 836 | 836 | 836 | 836 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3404 BITBURG AC GERMANY
STATION STATION NAME

9-7.

YEARS

DAY
MONTH

PAGE 1

ALL

HOURS 5

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|--------|------|--------|-----|-------|-----|----------|----|------------------------------------|--------|--------|--------|--------|--------|----|----|----|----|-------|-----|----|----|----|----|----|----|----|----|----|-------|--------------------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point |
| 86/ 85 | | | | | | | | | | | | | | | | | | | .0 | | | | | | | | | | | | | | 1 | 1 | |
| 84/ 83 | | | | | | | | | | | | | | | | | .0 | | | | | | | | | | | | | | | | 1 | 1 | |
| 82/ 81 | | | | | | | | | | | | | | | | | .1 | | | | .0 | .0 | | | | | | | | | | 7 | 7 | | |
| 80/ 79 | | | | | | | | | | | | | | | | | .0 | | .1 | .0 | .0 | | | | | | | | | | | 10 | 10 | | |
| 78/ 77 | | | | | | | | | | | | .0 | .1 | .1 | | | .2 | | .0 | | | | | | | | | | | | | 24 | 24 | | |
| 76/ 75 | | | | | | | .0 | | | | .1 | .2 | .1 | | | .0 | | .0 | | | | | | | | | | | | | | 30 | 30 | | |
| 74/ 73 | | | | | | | | .1 | .2 | .2 | .2 | .1 | | | | .0 | | | | | | | | | | | | | | | | 48 | 48 | | |
| 72/ 71 | | | | | | | | .2 | .2 | .4 | .1 | .0 | | | | | | | | | | | | | | | | | | | | 66 | 66 | | |
| 70/ 69 | | | | | .0 | .1 | .3 | .6 | .5 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | 119 | 119 | 1 | |
| 68/ 67 | | | | .0 | .3 | .6 | .8 | .7 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | 178 | 178 | 3 | |
| 66/ 65 | | | .0 | .3 | .3 | .6 | 1.1 | .5 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | 232 | 232 | 9 | |
| 64/ 63 | | .0 | .1 | .5 | .7 | 1.1 | 1.2 | .6 | .0 | | | | | | | | | | | | | | | | | | | | | | | 302 | 302 | 23 | |
| 62/ 61 | | | .5 | .6 | 1.3 | 1.5 | .8 | .3 | .0 | | | | | | | | | | | | | | | | | | | | | | | 365 | 365 | 85 | |
| 60/ 59 | | .1 | .7 | 1.2 | 1.4 | 1.3 | .7 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 411 | 411 | 131 | |
| 58/ 57 | | .3 | 1.1 | 1.7 | 1.9 | 1.1 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 474 | 474 | 209 | |
| 56/ 55 | .0 | .9 | 2.7 | 2.5 | 1.9 | 1.0 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 683 | 683 | 358 | |
| 54/ 53 | .1 | 1.4 | 2.9 | 2.9 | 1.0 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 733 | 733 | 626 | |
| 52/ 51 | .1 | 2.2 | 3.6 | 1.1 | 1.3 | .5 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 633 | 633 | 838 | |
| 50/ 49 | .3 | 3.9 | 3.7 | 1.8 | .8 | .3 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 774 | 774 | 1012 | |
| 48/ 47 | .2 | 3.3 | 2.7 | 1.0 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 569 | 569 | 957 | |
| 46/ 45 | .4 | 3.7 | 1.5 | 1.1 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 547 | 547 | 864 | |
| 44/ 43 | .3 | 2.5 | 1.5 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 385 | 385 | 688 | |
| 42/ 41 | .2 | 2.0 | .9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 265 | 265 | 477 | |
| 40/ 39 | .1 | 1.5 | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 184 | 184 | 374 | |
| 38/ 37 | .2 | .6 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 93 | 93 | 253 | |
| 36/ 35 | .1 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 133 | |
| 34/ 33 | .0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 63 | |
| 32/ 31 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 14 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 2.123 | 5.24 | 0.16 | 4.12 | 5 | 9.6 | 6.6 | 3.6 | 1.1 | .5 | .1 | .0 | | | | | | | | | | | | | | | | | | | | 7188 | 7188 | 7188 | |
| Element (X) | Σx² | | Σx | | x̄ | | s² | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | | | | | | | | | | |
| Rel. Hum | 36417292 | | 497584 | | 69.216 | | 566 | | 7188 | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | 744 | | | | | | | | | | | | | |
| Dry Bulb | 20909223 | | 383163 | | 53.3 | | 8.209 | | 7188 | | | .6 | 50.1 | 12.5 | 1.2 | | | | | | 744 | | | | | | | | | | | | | | |
| Wet Bulb | 16709196 | | 343962 | | 47.9 | | 5.896 | | 7188 | | | 1.4 | .4 | | | | | | | | | 744 | | | | | | | | | | | | | |
| Dew Point | 13347858 | | 306368 | | 42.6 | | 6.350 | | 7188 | | | 57.9 | | | | | | | | | 744 | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

just
MCMC

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-------|-------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | .4 | .1 | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 68/ 67 | | | | .1 | .2 | | .6 | .4 | | | | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 66/ 65 | | | .4 | .4 | .1 | .4 | .1 | | | | | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 64/ 63 | .1 | .5 | 1.1 | 1.2 | .6 | .2 | .2 | | | | | | | | | | | 33 | 33 | 5 | 1 | | | | | | | | | | | | | | |
| 62/ 61 | .1 | 1.1 | 2.1 | 2.6 | .9 | .4 | .1 | | | | | | | | | | | 59 | 59 | 14 | 6 | | | | | | | | | | | | | | |
| 60/ 59 | | 3.1 | 3.1 | 4.2 | .6 | .2 | | | | | | | | | | | | 91 | 91 | 23 | 13 | | | | | | | | | | | | | | |
| 58/ 57 | | 3.5 | 2.6 | 3.6 | .7 | .1 | | | | | | | | | | | | 85 | 85 | 70 | 15 | | | | | | | | | | | | | | |
| 56/ 55 | .1 | 3.0 | 4.0 | 2.7 | 1.0 | | | | | | | | | | | | | 87 | 87 | 91 | 49 | | | | | | | | | | | | | | |
| 54/ 53 | 1.2 | 4.6 | 5.1 | 2.8 | 1.0 | | | | | | | | | | | | | 119 | 119 | 103 | 92 | | | | | | | | | | | | | | |
| 52/ 51 | 1.1 | 3.0 | 2.2 | 1.1 | .2 | | | | | | | | | | | | | 62 | 62 | 119 | 70 | | | | | | | | | | | | | | |
| 50/ 49 | .4 | 4.6 | 3.6 | 1.0 | .1 | | | | | | | | | | | | | 78 | 78 | 93 | 112 | | | | | | | | | | | | | | |
| 48/ 47 | .2 | 3.3 | 2.0 | .7 | | | | | | | | | | | | | | 58 | 58 | 58 | 94 | | | | | | | | | | | | | | |
| 46/ 45 | .2 | 3.8 | 2.2 | .1 | | | | | | | | | | | | | | 53 | 53 | 71 | 98 | | | | | | | | | | | | | | |
| 44/ 43 | .1 | 2.7 | 1.0 | | | | | | | | | | | | | | | 31 | 31 | 73 | 69 | | | | | | | | | | | | | | |
| 42/ 41 | | 1.6 | 1.1 | .1 | | | | | | | | | | | | | | 23 | 23 | 32 | 60 | | | | | | | | | | | | | | |
| 40/ 39 | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | 17 | 75 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 0 | 34 | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 2 | 14 | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| TOTAL | 3.734 | 8.831 | 6.207 | 5.6 | 1.7 | 1.5 | .4 | | | | | | | | | | | 810 | 810 | 810 | 610 | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 5116407 | 63703 | 78.63 | 1.470 | 810 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 2394196 | 43754 | 54.0 | 6.163 | 810 | | | 1.9 | .1 | | | 90 |
| Wet Bulb | 2086856 | 40880 | 50.5 | 5.410 | 810 | | | | | | | 90 |
| Dew Point | 1832720 | 38290 | 47.3 | 5.955 | 810 | | .2 | | | | | 90 |

PSYCHROMETRIC SUMMARY

YEARS

١٢٢

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 70/ 69 | | | | | | | .1 | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | .1 | .1 | .2 | | | | | | | | | | 4 | | 4 | | | | | | | | | | | | | | | |
| 66/ 65 | | | | .4 | .1 | .5 | | | | | | | | | | | | 8 | | 8 | | | | | | | | | | | | | | | |
| 64/ 63 | | 1.0 | .0 | .0 | .5 | .2 | | | | | | | | | | | | 26 | | 26 | | | | | | | | | | | | | | | |
| 62/ 61 | | 1.0 | 1.5 | .5 | .4 | | .1 | | | | | | | | | | | 30 | | 30 | 12 | 6 | | | | | | | | | | | | | |
| 60/ 59 | .1 | 1.9 | 2.0 | 1.2 | .5 | | | | | | | | | | | | | 48 | | 48 | 15 | 8 | | | | | | | | | | | | | |
| 58/ 57 | .4 | 4.4 | 2.9 | 1.4 | .2 | | | | | | | | | | | | | 78 | | 78 | 57 | 12 | | | | | | | | | | | | | |
| 56/ 55 | .2 | 3.8 | 6.2 | 1.4 | .5 | .1 | | | | | | | | | | | | 103 | | 103 | 60 | 41 | | | | | | | | | | | | | |
| 54/ 53 | 1.2 | 6.1 | 5.0 | 1.8 | .1 | | | | | | | | | | | | | 119 | | 119 | 33 | 84 | | | | | | | | | | | | | |
| 52/ 51 | 1.0 | 4.1 | 4.5 | .0 | | | | | | | | | | | | | | 85 | | 85 | 136 | 71 | | | | | | | | | | | | | |
| 50/ 49 | .4 | 6.7 | 5.0 | 1.2 | | | | | | | | | | | | | | 111 | | 111 | 91 | 144 | | | | | | | | | | | | | |
| 48/ 47 | 1.0 | 4.4 | 2.0 | .0 | | | | | | | | | | | | | | 67 | | 67 | 114 | 105 | | | | | | | | | | | | | |
| 46/ 45 | .7 | 5.7 | 1.4 | | | | | | | | | | | | | | | 66 | | 66 | 81 | 90 | | | | | | | | | | | | | |
| 44/ 43 | .2 | 4.3 | .5 | | | | | | | | | | | | | | | 42 | | 42 | 74 | 85 | | | | | | | | | | | | | |
| 42/ 41 | .1 | 3.3 | .5 | | | | | | | | | | | | | | | 33 | | 33 | 51 | 48 | | | | | | | | | | | | | |
| 40/ 39 | | 1.0 | .0 | | | | | | | | | | | | | | | 13 | | 13 | 28 | 65 | | | | | | | | | | | | | |
| 38/ 37 | .1 | .4 | | | | | | | | | | | | | | | | 4 | | 4 | 10 | 51 | | | | | | | | | | | | | |
| 36/ 35 | | .1 | | | | | | | | | | | | | | | | 1 | | 1 | 6 | 20 | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 1 | 2 | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| TOTAL | 5.448 | 0.72 | 8.10 | 0.0 | 2.4 | 1.1 | .4 | | | | | | | | | | | 839 | | 839 | 839 | 639 | | | | | | | | | | | | | |

| Element (X) | Σx^1 | Σx | \bar{x} | \sqrt{x} | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 5805346 | 69302 | 82.6 | 9.829 | 839 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 2311737 | 43751 | 52.1 | 6.010 | 839 | | | .5 | | | | 90 |
| Wet Bulb | 2072548 | 41448 | 49.4 | 5.456 | 839 | | | | | | | 90 |
| Dew Point | 1871865 | 39325 | 46.9 | 5.847 | 839 | | .8 | | | | | 90 |

PSYCHROMETRIC SUMMARY

9-7

$\frac{1}{2}$

PAGE i 0500-0000
HOURS - S. T.

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | .1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | | | .3 | | | | | | | 2 | 3 | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | .2 | .2 | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | .1 | .1 | .1 | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | |
| 68/ 67 | | | .1 | | .2 | .7 | | | | | | | | | | | | 9 | 9 | | | | | | | | | | | | | | | | |
| 66/ 65 | | .1 | .3 | .3 | | .4 | | | | | | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 64/ 63 | .1 | .7 | .8 | 1.7 | .8 | .2 | | | | | | | | | | | | 38 | 38 | 4 | 2 | | | | | | | | | | | | | | |
| 62/ 61 | .1 | 1.2 | 2.0 | 2.1 | .2 | .2 | | | | | | | | | | | | 53 | 53 | 17 | 3 | | | | | | | | | | | | | | |
| 60/ 59 | .1 | 2.2 | 4.1 | 3.3 | 1.1 | .3 | .1 | | | | | | | | | | | 102 | 102 | 34 | 16 | | | | | | | | | | | | | | |
| 58/ 57 | .4 | 3.9 | 4.4 | 2.0 | .7 | | | | | | | | | | | | | 103 | 103 | 82 | 27 | | | | | | | | | | | | | | |
| 56/ 55 | .3 | 2.7 | 5.3 | 1.3 | 1.1 | .1 | | | | | | | | | | | | 98 | 98 | 101 | 57 | | | | | | | | | | | | | | |
| 54/ 53 | 1.2 | 5.4 | 5.0 | 1.8 | .2 | | | | | | | | | | | | | 123 | 123 | 111 | 91 | | | | | | | | | | | | | | |
| 52/ 51 | .4 | 2.7 | 5.2 | .0 | | | | | | | | | | | | | | 80 | 80 | 129 | 88 | | | | | | | | | | | | | | |
| 50/ 49 | .7 | 4.6 | 3.9 | .8 | .1 | | | | | | | | | | | | | 90 | 90 | 107 | 140 | | | | | | | | | | | | | | |
| 48/ 47 | .0 | 4.0 | 2.8 | .2 | | | | | | | | | | | | | | 68 | 68 | 124 | 112 | | | | | | | | | | | | | | |
| 46/ 45 | .7 | 4.0 | 1.3 | .1 | | | | | | | | | | | | | | 55 | 55 | 77 | 118 | | | | | | | | | | | | | | |
| 44/ 43 | .3 | 2.7 | .6 | .2 | | | | | | | | | | | | | | 34 | 34 | 61 | 77 | | | | | | | | | | | | | | |
| 42/ 41 | | 1.7 | .1 | | | | | | | | | | | | | | | 16 | 16 | 37 | 76 | | | | | | | | | | | | | | |
| 40/ 39 | | .8 | .1 | | | | | | | | | | | | | | | 8 | 8 | 10 | 54 | | | | | | | | | | | | | | |
| 38/ 37 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 10 | 24 | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 9 | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | 5.0 | 36.7 | 26.1 | 14.4 | 4.6 | 2.1 | .4 | .6 | .1 | | | | | | | | | 900 | 900 | 900 | 900 | | | | | | | | | | | | | | |

| Element (X) | Σx² | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|---------|-------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 5929626 | 72368 | 80.4 | 1.091 | 900 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 2659258 | 48604 | 54.0 | 6.188 | 900 | | | 2.0 | .4 | | | 90 |
| Wet Bulb | 2342733 | 45671 | 50.7 | 5.287 | 900 | | | | | | | 90 |
| Dew Point | 2090107 | 43089 | 47.9 | 5.556 | 900 | | .2 | | | | | 90 |

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY DATA
USAF TAC
AIR WEATHER SERVICE/AF

PSYCHROMETRIC SUMMARY

3404. BITBURK AB GFR ANY

2-7

JUL
MONTH

STATION

STATION NAME

YEARS

PAGE 1 0000-1100

HOURS 15.7

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------------|-----------|--------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|----|----|----|----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------|----------|-----------|-------|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point | | |
| 86/ 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | |
| 84/ 83 | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | 5 | | | | |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | .2 | | | | | | | | | | | | | 2 | 2 | | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | .4 | | | | | | | | | | | | | 4 | 4 | | | |
| 78/ 77 | | | | | | | | | | | .1 | | | | | .3 | .4 | .2 | | | | | | | | | | | | | | | 10 | 10 | | | |
| 76/ 75 | | | | | | | .1 | .1 | | | | | .7 | .1 | | | | | | | | | | | | | | | | | | | 9 | 9 | | | |
| 74/ 73 | | | | | | | .2 | | | | .3 | .7 | .1 | | | | | | | | | | | | | | | | | | | | 16 | 16 | | | |
| 72/ 71 | | | | | .3 | .1 | 1.3 | 1.4 | .9 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | | | |
| 70/ 69 | | | | | .1 | 1.3 | 1.4 | .9 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | | | |
| 68/ 67 | | | | .2 | 1.2 | 3.3 | 2.3 | .8 | .8 | | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | 3 | | |
| 66/ 65 | | .8 | 1.7 | 2.2 | 1.6 | 1.8 | .8 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 83 | 83 | 10 | | |
| 64/ 63 | | .2 | 1.7 | 2.6 | 1.6 | 1.2 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | 73 | 73 | 20 | | |
| 62/ 61 | | .9 | 2.1 | 2.2 | 3.2 | 1.4 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 81 | | |
| 60/ 59 | | .9 | 1.1 | 2.3 | 1.9 | .9 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 67 | 67 | 102 | | |
| 58/ 57 | .2 | 2.0 | 3.4 | 1.3 | 2.2 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 102 | | |
| 56/ 55 | .4 | 2.9 | 4.0 | 3.0 | 1.8 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 114 | 114 | 102 | | |
| 54/ 53 | .4 | 2.0 | 2.7 | 2.3 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 71 | 140 | | |
| 52/ 51 | .1 | 1.0 | 2.0 | 1.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 108 | | |
| 50/ 49 | .2 | .9 | 2.4 | 1.6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | 48 | 86 | | |
| 48/ 47 | .1 | .7 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 59 | | |
| 46/ 45 | | .4 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 47 | | |
| 44/ 43 | | .1 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 6 | 19 | | |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 7 | | |
| 40/ 39 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 5 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 1.6 | 12.8 | 22.7 | 20.7 | 17.9 | 11.3 | 6.4 | 3.9 | 1.1 | .3 | .7 | .3 | .2 | .1 | | | | | | | | | | | | | | | | | | | 900 | 900 | 900 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 900 | 900 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 4355396 | 61150 | 67.9 | 14.938 | 900 | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | | | | | Total | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 3345677 | 54467 | 60.5 | 7.412 | 900 | | | 19.0 | 4.8 | 1.2 | | | | | | 90 | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 2674435 | 48823 | 54.2 | 5.367 | 900 | | | .3 | | | | | | | | 90 | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 2208244 | 44250 | 49.2 | 6.024 | 900 | | .8 | | | | | | | | | 90 | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3404- BITBURN AS OFR ANY
STATES STATE OR NAME

2-7

YEARS

JUN
1964

PAGE 1 1500-1700
MAR 25 1967

USAFETAC FORM 0 26 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-7

YEARS

۱۲۸

PAGE 1 1800-2000
-2-83-5-7

| Temp.
°F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | .1 | .1 | .1 | | | 3 | 3 | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | .1 | .1 | .2 | .7 | | | | 10 | 10 | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | .1 | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | .1 | .1 | .2 | .1 | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | .1 | .2 | .3 | | | | | | | 6 | 6 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | .1 | .1 | .6 | .7 | .1 | | | | | | | 14 | 14 | | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | .8 | .8 | .4 | .4 | | | .1 | | | | | | 23 | 23 | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | .1 | .7 | 1.0 | 1.4 | .7 | .2 | .1 | | | | | | | | 38 | 38 | | | | | | | | | | | | | | | | |
| 72/ 71 | | .1 | .3 | 1.1 | 1.9 | 1.0 | .2 | .1 | | | | | | | | | | 43 | 43 | | | | | | | | | | | | | | | | |
| 70/ 69 | | | 1.5 | 1.8 | 1.9 | .9 | .6 | .2 | | | | | | | | | | 62 | 62 | | | | | | | | | | | | | | | | |
| 68/ 67 | | .4 | .6 | 2.0 | 1.6 | 1.1 | .8 | .2 | | | | | | | | | | 50 | 60 | | | | | | | | | | | | | | | | |
| 66/ 65 | | 1.0 | .7 | 2.2 | 1.9 | 1.3 | 1.0 | | | | | | | | | | | 73 | 73 | 11 | | | | | | | | | | | | | | | |
| 64/ 63 | | .2 | 1.1 | 1.9 | 1.4 | 2.6 | 1.8 | .1 | .1 | | | | | | | | | 83 | 93 | 37 | 3 | | | | | | | | | | | | | | |
| 62/ 61 | | .4 | 1.6 | 2.0 | 2.3 | .9 | .9 | .4 | | | | | | | | | | 77 | 77 | 72 | 8 | | | | | | | | | | | | | | |
| 60/ 59 | .3 | 1.4 | 2.4 | 3.1 | 2.1 | .6 | .7 | .1 | | | | | | | | | | 99 | 99 | 120 | 21 | | | | | | | | | | | | | | |
| 58/ 57 | | .8 | 1.8 | 1.6 | 1.2 | 1.8 | .4 | | | | | | | | | | | 68 | 68 | 113 | 44 | | | | | | | | | | | | | | |
| 56/ 55 | .1 | 2.0 | 2.1 | 3.0 | 1.0 | .6 | | | | | | | | | | | | 79 | 79 | 105 | 61 | | | | | | | | | | | | | | |
| 54/ 53 | .3 | 1.8 | 2.2 | 2.0 | .7 | .2 | | | | | | | | | | | | 65 | 65 | 123 | 102 | | | | | | | | | | | | | | |
| 52/ 51 | | .9 | 3.0 | .7 | .6 | .3 | | | | | | | | | | | | 49 | 49 | 104 | 94 | | | | | | | | | | | | | | |
| 50/ 49 | .2 | .7 | 1.0 | .9 | .1 | | | | | | | | | | | | | 26 | 26 | 87 | 117 | | | | | | | | | | | | | | |
| 48/ 47 | | .2 | .3 | .1 | .3 | | | | | | | | | | | | | 9 | 9 | 73 | 94 | | | | | | | | | | | | | | |
| 46/ 45 | | .1 | .3 | | | | | | | | | | | | | | | 4 | 4 | 33 | 107 | | | | | | | | | | | | | | |
| 44/ 43 | | .2 | .1 | | | | | | | | | | | | | | | 3 | 3 | 15 | 79 | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 9 | 68 | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 1 | 47 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 28 | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| TOTAL | 1.0 | 8.817 | 7.416 | 6.616 | 6.014 | 1.111 | .9 | 6.7 | 2.9 | 2.0 | .4 | .8 | .6 | .8 | .1 | | | 900 | 900 | | 90 | 900 | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Ref. Hum. | 3728227 | 55939 | 62.216 | 8.722 | 900 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 3560422 | 56142 | 62.4 | 8.052 | 900 | | | 26.5 | 10.0 | 2.4 | | 90 |
| Wet Bulb | 2700011 | 49071 | 54.5 | 5.220 | 900 | | | | | | | 90 |
| Dew Point | 2123212 | 43362 | 48.2 | 6.153 | 900 | | | .9 | | | | 90 |

USAFETAC FORM 0265 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6L 5 LULL ST. LLY STATION
SAFETAC
AIR CATER SERVICE/ 40

PSYCHROMETRIC SUMMARY

34-41 BITOUK AG OF ANY
STATION NAME

EARS

PAGE 1 2100-2300

| Temp
F | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | | | | | |
|-----------|-----------------------------------|------|------|------|------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|-------|----|----|----|----|----|----|----|-----|-------|---------|----------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB-WB | DB-Bulb | Wet-Bulb | Dew Point |
| 79 | | | | | | | | | | | | | | .1 | | | | | | .1 | | | | | | | | | | | 7 | 4 | | | |
| 78 | | | | | | | | | | | | | | .1 | | | | | .2 | .2 | | | | | | | | | | | 5 | 5 | | | |
| 76 | | | | | | | | | | | | | .1 | | | .1 | .4 | | | | | | | | | | | | | | 5 | 5 | | | |
| 74 | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 72 | | | | | | | | | .1 | .5 | | .7 | .5 | | | | | | | | | | | | | | | | | | 15 | 15 | | | |
| 70 | | | | | | | | .2 | .7 | .2 | .2 | .1 | | | | | | | | | | | | | | | | | | | 17 | 17 | | | |
| 68 | | | | .4 | .7 | 1.4 | 1.1 | .2 | .5 | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | | | |
| 66 | | .5 | .5 | 2.2 | 1.5 | 1.4 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | 59 | 59 | | | |
| 64 | | .4 | 1.1 | 2.1 | 2.0 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 58 | 58 | 17 | 0 | |
| 62 | | .9 | 2.1 | 3.3 | 2.3 | .5 | .7 | | | | | | | | | | | | | | | | | | | | | | | | 81 | 61 | 22 | 0 | |
| 60 | .1 | 1.0 | 1.6 | 3.5 | 1.7 | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 74 | 70 | 55 | 0 | |
| 58 | .1 | 1.7 | 2.5 | 2.7 | .7 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 65 | 69 | 73 | 34 | |
| 56 | .4 | 4.2 | 2.2 | 2.0 | 1.7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 92 | 92 | 109 | 56 | |
| 54 | 1.1 | 2.5 | 4.0 | 2.0 | 2.5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 106 | 106 | 124 | 86 | |
| 52 | .5 | 1.1 | 2.7 | 1.1 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | 40 | 38 | 99 | |
| 50 | .2 | 3.0 | 3.7 | 1.8 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | 64 | 111 | |
| 48 | | 1.5 | 2.1 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 75 | 100 | |
| 46 | | 1.0 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 16 | 54 | 94 | |
| 44 | | .0 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 8 | 37 | 52 | |
| 42 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 14 | 44 | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 66 |
| 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 2.0 | 19.2 | 74.7 | 23.2 | 15.6 | 7.0 | 3.0 | 2.2 | .7 | .6 | .4 | | | | | | | | | | | | | | | | | | | | | 811 | 811 | 811 | |

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel Hum | 430-508 | 57922 | 71.4 | 14.388 | 811 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 2748998 | 46898 | 57.8 | 6.760 | 811 | | | 9.8 | 1.4 | | | 90 |
| Wet Bulb | 2263110 | 42630 | 52.6 | 5.244 | 811 | | | | | | | 90 |
| Dew Point | 1902587 | 38977 | 48.1 | 6.018 | 811 | | | .2 | | | | 90 |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel Hum | 4304508 | 57922 | 71.4 | 14.388 | 811 | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | |
| Dry Bulb | 2748998 | 46898 | 57.8 | 6.760 | 811 | | | 9.8 | 1.4 | | | 90 |
| Wet Bulb | 2263110 | 42630 | 52.6 | 5.244 | 811 | | | | | | | 90 |
| Dew Point | 1902587 | 38977 | 48.1 | 6.018 | 811 | | | .2 | | | | 90 |

GENERAL CLIMATOLOGY STATION
 0036 TAC
 AIR EATING SERVICE/140

PSYCHROMETRIC SUMMARY

34047 BITBURG AB GFK ANY
 STATION

YEARS

DATE 1 ALL
 MONTHS 5

| WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--|----------|-------|--------|------|--------|-----|----------------|-----|----------|-----|------------------------------------|----|--------|----|--------|----|--------|--|--------|--|--------|--|-------|--|--|--|--|--|--|--|--|------|-----------|------|----------|--|
| 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 D.B. W.B. Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D.B. W.B. | | Wet Bulb | |
| 90/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 88/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | | | |
| 86/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | | | |
| 84/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 82/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 | | | |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 75 | | | |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 127 | | | |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 168 | | | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 217 | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 251 | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 329 | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 372 | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 456 | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 584 | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 647 | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 632 | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 686 | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 692 | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 421 | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 469 | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 260 | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 207 | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 126 | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 74 | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 2.421 | 2.273 | 2.816 | 7.11 | 6 | 8.7 | 6.4 | 4.1 | 2.3 | 1.3 | .5 | .3 | .4 | .3 | .1 | .0 | | | | | | | | | | | | | | | | 6959 | 6959 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6959 | 6959 | | |
| Element (X) | ΣX² | | ΣX | | X̄ | | r _s | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | | | | | | | | | | | |
| Rel Hum. | 35785335 | | 484571 | | 69.617 | | .079 | | 6959 | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | | |
| Dry Bulb | 24662321 | | 409859 | | 58.9 | | 8.671 | | 6959 | | | | | | 134.7 | | 52.2 | | 11.4 | | 720 | | | | | | | | | | | | | | | |
| Wet Bulb | 19727063 | | 368325 | | 52.9 | | 5.779 | | 6959 | | | | | | 1.2 | | | | | | 720 | | | | | | | | | | | | | | | |
| Dew Point | 16297900 | | 334128 | | 48.0 | | 6.056 | | 6959 | | | | | | 4.3 | | | | | | 720 | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

PAGE 1 0000-0200

| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | |
|-----------|-------------------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|--|-------|--|--|
| | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | *31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 75/ 75 | | | | | | | | | .1 | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | .1 | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | .1 | | | .2 | .3 | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | |
| 70/ 69 | | | .2 | .2 | .3 | .1 | | .4 | | | | | | | | | 12 | | 12 | | | | | | | | | | | | | | | | | |
| 68/ 67 | | | .3 | .3 | .7 | .4 | .1 | .8 | .2 | | | | | | | | 35 | | 35 | | | | | | | | | | | | | | | | | |
| 66/ 65 | | .1 | 3.3 | 1.6 | .9 | .3 | .1 | | .1 | | | | | | | | 20 | | 59 | 2 | | | | | | | | | | | | | | | | |
| 64/ 63 | .1 | 1.2 | 3.5 | 2.2 | .6 | .2 | | | | | | | | | | | 73 | | 73 | 25 | 5 | | | | | | | | | | | | | | | |
| 62/ 61 | | 1.4 | 5.1 | 2.3 | .9 | .2 | | | | | | | | | | | 91 | | 91 | 55 | 14 | | | | | | | | | | | | | | | |
| 60/ 59 | .1 | 4.6 | 5.7 | 3.2 | .4 | .2 | | | | | | | | | | | 135 | | 135 | 35 | 67 | | | | | | | | | | | | | | | |
| 58/ 57 | .5 | 5.8 | 4.1 | 2.0 | .2 | .1 | | | | | | | | | | | 117 | | 117 | 132 | 69 | | | | | | | | | | | | | | | |
| 56/ 55 | .3 | 4.1 | 4.4 | 2.0 | .2 | .2 | | | | | | | | | | | 111 | | 111 | 155 | 100 | | | | | | | | | | | | | | | |
| 54/ 53 | .3 | 3.4 | 5.1 | 2.9 | .2 | | | | | | | | | | | | 110 | | 110 | 110 | 127 | | | | | | | | | | | | | | | |
| 52/ 51 | .7 | 1.1 | 4.9 | .4 | | | | | | | | | | | | | 65 | | 65 | 76 | 120 | | | | | | | | | | | | | | | |
| 50/ 49 | .3 | 2.5 | 3.2 | | | | | | | | | | | | | | 55 | | 55 | 92 | 95 | | | | | | | | | | | | | | | |
| 48/ 47 | .2 | 2.4 | .4 | | | | | | | | | | | | | | 31 | | 31 | 115 | 70 | | | | | | | | | | | | | | | |
| 46/ 45 | .1 | 1.3 | | | | | | | | | | | | | | | 13 | | 13 | 41 | 107 | | | | | | | | | | | | | | | |
| 44/ 43 | | .2 | | | | | | | | | | | | | | | 2 | | 2 | 2 | 95 | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 28 | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| TOTAL | 3.0 | 28.1 | 40.7 | 18.5 | 4.7 | 1.9 | .2 | 1.4 | .5 | .3 | | | | | | | 917 | | 917 | | 917 | | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel Hum | 5850731 | 72493 | 79.11 | 4.38 | 917 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 3077370 | 52874 | 57.7 | 5.594 | 917 | | | 5.6 | .2 | | | 93 |
| Wet Bulb | 2688868 | 49460 | 53.9 | 4.806 | 917 | | | | | | | 93 |
| Dew Point | 2403377 | 46689 | 50.9 | 5.349 | 917 | | | .1 | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR CATER SERVICE/AC

PSYCHROMETRIC SUMMARY

3404- BITBURG AB GERMANY
STATION NAME

2-7

YEARS

JUL
UNIT

PAGE 1 0300-0500
-05-05

| Temp
F | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-----------|-----------------------------------|-------|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB WB | Dry Bulb | Wet Bulb | Dew Point |
| 70/ 69 | | | | | | .2 | | | | | | | | | .3 | | | | | | | | | | | | | | | | | 5 | 5 | | | |
| 68/ 67 | | | | | .7 | .2 | | | | .1 | .3 | .2 | .1 | | | | | | | | | | | | | | | | | | | 15 | 15 | | | |
| 66/ 65 | | | | .1 | 2.4 | .3 | .2 | | .2 | .2 | .1 | .2 | | | | | | | | | | | | | | | | | | | | 33 | 33 | | | |
| 64/ 63 | | | | 2.2 | 2.0 | .9 | | | | .1 | .2 | .3 | | | | | | | | | | | | | | | | | | | | 60 | 60 | 13 | 3 | |
| 62/ 61 | | | | 2.9 | 3.4 | 1.2 | .2 | | .3 | | | | | | | | | | | | | | | | | | | | | | | 74 | 74 | 47 | 25 | |
| 60/ 59 | .1 | 4.0 | 3.0 | .5 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 84 | 84 | 59 | 36 | |
| 58/ 57 | .0 | 7.5 | 4.0 | 1.2 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 134 | 134 | 115 | 62 | |
| 56/ 55 | .0 | 6.0 | 5.3 | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 142 | 142 | 147 | 94 | |
| 54/ 53 | .0 | 5.6 | 3.0 | .9 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 105 | 105 | 141 | 137 | |
| 52/ 51 | .0 | 3.3 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 94 | 94 | 90 | 129 | |
| 50/ 49 | .7 | 4.5 | 6.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | 91 | 117 | |
| 48/ 47 | .3 | 3.0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 128 | 80 | |
| 46/ 45 | .2 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 57 | 119 | |
| 44/ 43 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 18 | 73 | |
| 42/ 41 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 7 | 29 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| TOTAL | 4.545 | 140.0 | 0.5 | 1.2 | 1.0 | .7 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 921 | 921 | 921 | 921 | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 6494034 | 76800 | 33.4 | 9.883 | 921 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | 93 |
| Dry Bulb | 2893613 | 51393 | 55.8 | 5.297 | 921 | | | 2.0 | | | | 93 |
| Wet Bulb | 2605773 | 48787 | 53.0 | 4.827 | 921 | | | | | | | 93 |
| Dew Point | 2390944 | 46674 | 50.7 | 5.277 | 921 | | | | | | | 93 |

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISION 10-64

GLOBAL CLIMATOLOGY SERVICE
USAFETAC
AIR WEATHER SERVICE/AF

PSYCHROMETRIC SUMMARY

3404 BITBURG AB GERMANY
STATION NAME

2-7

STARS

PAGE 1 0600-1600

| Temp.
°F | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|------------------------------------|-------|-------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|----------|--------------------|-----|-------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB. WB | Dry Bulb | Wet Bulb - Dew Pt. | | | |
| 74/ 73 | | | | .1 | | | | | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | 1 | 3 | | | | |
| 72/ 71 | | | .1 | | | | | | | .1 | | | | .1 | | | | .1 | | | | | | | | | | | | | | 4 | 4 | | | | |
| 70/ 69 | | | .1 | .7 | | .1 | .1 | .4 | | | | | .1 | | | | .1 | | | | | | | | | | | | | | | 15 | 15 | | | | |
| 68/ 67 | | .1 | 1.3 | .5 | | .4 | .4 | .1 | | | | | | | | | .1 | | | | | | | | | | | | | | | 37 | 30 | 7 | | | |
| 66/ 65 | | .3 | 2.7 | .5 | | .3 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 11 | | | |
| 64/ 63 | | 2.3 | 3.4 | 1.4 | | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 67 | 59 | 24 | | | |
| 62/ 61 | | 3.0 | 3.7 | 1.4 | | .4 | .1 | | | | | .1 | | | | | | | | | | | | | | | | | | | | 61 | 51 | 34 | | | |
| 60/ 59 | .1 | 5.0 | 6.1 | 1.7 | | .1 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | 127 | 127 | 77 | | | |
| 58/ 57 | .4 | 5.9 | 3.7 | 1.5 | | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 117 | 117 | 135 | | | |
| 56/ 55 | .7 | 6.1 | 3.4 | 2.0 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 132 | 132 | 124 | | | |
| 54/ 53 | .4 | 4.5 | 4.2 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 92 | 92 | 111 | | |
| 52/ 51 | .5 | 2.8 | 3.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 117 | | |
| 50/ 49 | .4 | 4.1 | 3.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | 103 | | |
| 48/ 47 | .2 | 2.0 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 30 | 115 | | |
| 46/ 45 | .1 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 23 | | |
| 44/ 43 | .1 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 0 | 13 | | |
| 42/ 41 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 3.534 | 6.040 | 5.112 | 2.4 | 1.3 | 1.0 | .7 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 921 | 921 | 921 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 921 | | 921 | |

| Element | X | Σx² | Σx | Σ | % | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-----------|---|---------|-------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Re. Hum. | | 6257633 | 75319 | 81.8 | 10.325 | 921 | ≤ 3 F | ≤ 32 F | ≤ 47 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| D. Bulb | | 3032370 | 52594 | 57.1 | 5.612 | 921 | | | 5.3 | .3 | | | 93 |
| Wet Bulb | | 2700612 | 49564 | 53.9 | 4.949 | 921 | | | .2 | | | | 93 |
| Dew Point | | 2458703 | 47333 | 51.4 | 5.328 | 921 | | | | | | | 93 |

USAFETAC FORM 0265 (01 A) 11-64

34049 BITBURG AB GFR IANY
STATION STATION

9-7.

JUL
MONTH

PAGE 1 0900-1100
12URS 11 5 1

[illegible]

PSYCHROMETRIC SUMMARY

2-71

YEARS

JUL
MONTH

PAGE 1 1500-1700
HOURS 5:30-7:00

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | | | | | | .2 | | 2 | 2 | | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | | | | | | | | .1 | .3 | 4 | 4 | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | | | .1 | | | | | | .3 | .3 | 7 | 7 | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | .3 | .1 | | | .1 | .2 | .4 | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | .2 | .7 | 1.1 | .4 | .2 | .2 | .1 | | | | 27 | 27 | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | .2 | .2 | .7 | 1.2 | .4 | .2 | .1 | | | | | 28 | 28 | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | .4 | .4 | 1.4 | .8 | .4 | | | | | | | 32 | 32 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | .1 | .1 | .1 | 1.8 | .8 | .3 | .1 | | | | | | | 31 | 31 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | .2 | .5 | .7 | 1.6 | 1.4 | .5 | .2 | .1 | | | | | | | 49 | 49 | | | | | | | | | | | | | | | | |
| 76/ 75 | | | .4 | .6 | 2.9 | 2.3 | .5 | .3 | .2 | | | | | | | | | 69 | 69 | | | | | | | | | | | | | | | | |
| 74/ 73 | | | .9 | .1 | 3.3 | 1.1 | .2 | .1 | | | | | | | | | | 52 | 52 | | | | | | | | | | | | | | | | |
| 72/ 71 | | .2 | .8 | .9 | 2.2 | 2.5 | 1.0 | .2 | | | | | | | | | | 71 | 71 | 6 | | | | | | | | | | | | | | | |
| 70/ 69 | | .4 | .2 | 2.3 | 2.7 | 2.4 | .5 | .3 | | | | | | | | | | 82 | 82 | 17 | | | | | | | | | | | | | | | |
| 68/ 67 | | .5 | 1.4 | 2.3 | 3.0 | 2.1 | .8 | | | | | | | | | | | 93 | 93 | 33 | 2 | | | | | | | | | | | | | | |
| 66/ 65 | | 1.0 | .5 | 1.5 | 2.7 | 2.2 | .7 | | | | | | | | | | | 79 | 79 | 93 | 7 | | | | | | | | | | | | | | |
| 64/ 63 | | .4 | .9 | 2.0 | 1.7 | 2.2 | 1.4 | .1 | | | | | | | | | | 80 | 80 | 108 | 23 | | | | | | | | | | | | | | |
| 62/ 61 | .1 | .5 | 1.4 | 1.4 | 1.8 | 1.1 | .2 | .1 | | | | | | | | | | 62 | 62 | 140 | 39 | | | | | | | | | | | | | | |
| 60/ 59 | | 1.0 | 1.1 | .9 | 1.0 | .1 | | | | | | | | | | | | 37 | 37 | 116 | 44 | | | | | | | | | | | | | | |
| 58/ 57 | | 1.0 | 1.5 | 1.2 | 1.0 | | | | | | | | | | | | | 43 | 43 | 113 | 84 | | | | | | | | | | | | | | |
| 56/ 55 | | .9 | .9 | 1.6 | .8 | | | | | | | | | | | | | 38 | 38 | 102 | 109 | | | | | | | | | | | | | | |
| 54/ 53 | | .2 | 1.0 | 1.0 | | | | | | | | | | | | | | 20 | 20 | 92 | 135 | | | | | | | | | | | | | | |
| 52/ 51 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 56 | 117 | | | | | | | | | | | | | | |
| 50/ 49 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 35 | 108 | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 10 | 74 | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 81 | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 54 | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 30 | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | |
| TOTAL | .1 | 4.1 | 9.2 | 11.0 | 14.9 | 15.5 | 18.3 | 10.6 | 5.8 | 4.3 | 2.6 | .8 | .4 | .4 | 1.0 | .5 | .3 | | 921 | | 921 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 921 | | 921 | | | | | | | | | | | | | | |

| Element (X) | Σx ² | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|-----------------|-------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum | 3141179 | 51873 | 56.3 | 5.448 | 921 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 4497720 | 63870 | 69.3 | 8.624 | 921 | | | 56.3 | 31.5 | 12.1 | .2 | 93 |
| Wet Bulb | 3243744 | 54456 | 59.1 | 5.099 | 921 | | | 5.7 | | | | 93 |
| Dew Point | 2520876 | 47890 | 52.0 | 5.777 | 921 | | | .2 | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

HOURS: 1 5 7

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3404
STA ON

BITBURG AB GERMANY
STATION NAME

9-7 -

YEARS

PAGE 1 2100-2300
MOJRS S. T. 1

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | |
|-------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | | .1 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | .1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | | | | .1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | .1 | | | .1 | .1 | | | | | | | 3 | | 3 | | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | .3 | | .1 | | .3 | | | | | | | 7 | | 7 | | | | | | | | | | | | | | | | | |
| 76/ 75 | | | .1 | .1 | .4 | .2 | .3 | | | | .2 | | | | | | | 13 | | 13 | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | .2 | .5 | .3 | | .3 | .1 | .1 | | | | | | | | 15 | | 15 | | | | | | | | | | | | | | | | | |
| 72/ 71 | | | .1 | 1.0 | 1.4 | .9 | .1 | .1 | .2 | | | | | | | | | 35 | | 35 | | | | | | | | | | | | | | | | | |
| 70/ 69 | .3 | .8 | .8 | 2.2 | .7 | .5 | .4 | .1 | | | | | | | | | | 53 | | 53 | 7 | | | | | | | | | | | | | | | | |
| 68/ 67 | | .5 | 3.1 | 3.2 | 1.5 | .3 | | | | | | | | | | | | 82 | | 82 | 3 | 3 | | | | | | | | | | | | | | | |
| 66/ 65 | | .4 | 2.4 | 4.5 | 1.3 | .3 | .1 | | | | | | | | | | | 83 | | 83 | 25 | 1 | | | | | | | | | | | | | | | |
| 64/ 63 | | .4 | 3.7 | 3.1 | 1.4 | .5 | .3 | | | | | | | | | | | 91 | | 91 | 50 | 10 | | | | | | | | | | | | | | | |
| 62/ 61 | | 1.0 | 4.5 | 3.5 | 2.3 | .3 | .1 | | | | | | | | | | | 113 | | 113 | 99 | 32 | | | | | | | | | | | | | | | |
| 60/ 59 | .2 | 1.0 | 3.1 | 3.4 | 1.5 | .3 | | | | | | | | | | | | 93 | | 93 | 143 | 47 | | | | | | | | | | | | | | | |
| 58/ 57 | .3 | 3.2 | 4.0 | 2.5 | 2.0 | .2 | .1 | | | | | | | | | | | 119 | | 119 | 122 | 99 | | | | | | | | | | | | | | | |
| 56/ 55 | | 1.9 | 2.5 | 3.3 | .4 | .1 | | | | | | | | | | | | 75 | | 75 | 127 | 116 | | | | | | | | | | | | | | | |
| 54/ 53 | .1 | 2.4 | 3.2 | 2.0 | | | | | | | | | | | | | | 70 | | 70 | 103 | 122 | | | | | | | | | | | | | | | |
| 52/ 51 | .3 | .4 | 2.2 | | | | | | | | | | | | | | | 27 | | 27 | 100 | 122 | | | | | | | | | | | | | | | |
| 50/ 49 | .2 | .9 | 2.2 | | | | | | | | | | | | | | | 30 | | 30 | 83 | 112 | | | | | | | | | | | | | | | |
| 48/ 47 | | .3 | | | | | | | | | | | | | | | | 3 | | 3 | 50 | 81 | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 8 | 84 | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | 62 | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| TOTAL | 1.2 | 14.0 | 79.4 | 26.2 | 16.3 | 6.4 | 3.0 | 1.3 | .5 | .4 | .4 | .4 | .2 | .1 | | | | 915 | | 915 | | 915 | | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| | | | | | | $\leq 0^\circ F$ | $\leq 32^\circ F$ | $\geq 67^\circ F$ | $\geq 73^\circ F$ | $\geq 80^\circ F$ | $\geq 93^\circ F$ | Total |
| Rel Hum. | 4895511 | 65845 | 72.0 | 13.114 | 915 | | | | | | | |
| Dry Bulb | 3503866 | 56322 | 61.6 | 6.364 | 915 | | | 21.4 | 4.2 | .4 | | 93 |
| Wet Bulb | 2901583 | 51337 | 56.1 | 4.824 | 915 | | | .5 | | | | 93 |
| Dew Point | 2497611 | 47499 | 51.9 | 5.422 | 915 | | | .3 | | | | 93 |

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| STATION | STATION NAME |

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| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|-------|------|-----|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|-----------|----------|----------|-----------|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | + 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 74/ 73 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | |
| 72/ 71 | | | | | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | |
| 70/ 69 | | | .1 | .2 | | .1 | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | |
| 68/ 67 | | | .3 | .3 | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | | | | | | |
| 66/ 65 | | .4 | 2.1 | 1.1 | .2 | .4 | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | ? | | | | | |
| 64/ 63 | .1 | 2.0 | 2.3 | 2.2 | .4 | .3 | | | | | | | | | | | | | | | | | | | | | | 72 | 72 | 16 | 6 | | | | |
| 62/ 61 | .7 | 4.4 | 4.2 | 1.9 | 1.1 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | 118 | 118 | 57 | 23 | | | | |
| 60/ 59 | 1.4 | 6.8 | 3.2 | 3.2 | 1.6 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | 171 | 171 | 104 | 70 | | | | |
| 58/ 57 | .3 | 5.6 | 3.4 | 2.8 | .7 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | 121 | 121 | 148 | 90 | | | | |
| 56/ 55 | .4 | 5.5 | 4.5 | 2.8 | .2 | .5 | | | | | | | | | | | | | | | | | | | | | | 128 | 128 | 114 | 112 | | | | |
| 54/ 53 | .5 | 4.7 | 4.8 | .8 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | 135 | 125 | | | | |
| 52/ 51 | .4 | 1.6 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 123 | 89 | | | | |
| 50/ 49 | .1 | 3.5 | 2.4 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 91 | 102 | | | | |
| 48/ 47 | | 2.1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 75 | 107 | | | | |
| 46/ 45 | .1 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 36 | 95 | | | | |
| 44/ 43 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 17 | 58 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| TOTAL | 4.240 | 0.070 | .615 | .8 | 5.0 | 3.5 | .8 | | | | | | | | | | | | | | | | | | | | | 913 | 913 | | 913 | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------|
| | | | | | | $\leq 0^\circ \text{ F}$ | $\leq 32^\circ \text{ F}$ | $\geq 67^\circ \text{ F}$ | $\geq 73^\circ \text{ F}$ | $\geq 80^\circ \text{ F}$ | $\geq 93^\circ \text{ F}$ | Total |
| Rel Hum. | 6109900 | 73930 | 81.01 | 1.034 | 913 | | | | | | | |
| Dry Bulb | 3043434 | 52520 | 57.5 | 4.938 | 913 | | | 2.5 | .1 | | | 93 |
| Wet Bulb | 2709930 | 49476 | 54.2 | 4.659 | 913 | | | | | | | 93 |
| Dew Point | 2448859 | 47019 | 51.5 | 5.482 | 913 | | | | | | | 93 |

USAFETAC FORM 026-5 (OLA)
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| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-----------|-------------------------------------|------|------|-----|-----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 70/ 59 | | | | | | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 68/ 57 | | | | | .3 | | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | | | |
| 66/ 65 | | | .2 | 1.1 | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | | | | |
| 64/ 63 | | .2 | 1.1 | 1.3 | .7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 38 | 38 | 7 | 5 | | |
| 62/ 61 | | .9 | 4.3 | 3.3 | .6 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 38 | 18 | | |
| 60/ 59 | 1.5 | 7.8 | 3.5 | 1.5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 135 | 135 | 80 | 48 | | |
| 58/ 57 | .7 | 9.5 | 2.0 | 1.8 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 133 | 133 | 144 | 73 | | |
| 56/ 55 | .4 | 7.3 | 3.4 | 2.0 | .4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 127 | 127 | 129 | 126 | | |
| 54/ 53 | 1.3 | 6.5 | 3.9 | 1.2 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 122 | 122 | 123 | 140 | | |
| 52/ 51 | .9 | 3.7 | 3.4 | .5 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 84 | 84 | 100 | 87 | | |
| 50/ 49 | .5 | 5.3 | 3.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 83 | 83 | 94 | 133 | | |
| 48/ 47 | .6 | 3.3 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 90 | 81 | | |
| 46/ 45 | .5 | 2.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 65 | 94 | | |
| 44/ 43 | .2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 25 | 61 | | |
| 42/ 41 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 24 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 8 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 7.2 | 51.9 | 26.3 | 9.7 | 4.0 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 914 | 914 | 914 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 914 | 914 | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum | 6658514 | 77460 | 84.7 | 10.142 | 914 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 2865181 | 50973 | 55.8 | 4.960 | 914 | | | 1.2 | | | | 93 |
| Wet Bulb | 2609840 | 48640 | 53.2 | 4.839 | 914 | | | | | | | 93 |
| Dew Point | 2415675 | 46723 | 51.1 | 5.461 | 914 | | | | | | | 93 |

PSYCHROMETRIC SUMMARY

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USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

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HOURS 5

| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|------------|------------|------------|------------|------------|-------|-----|----|-----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|-----|-----------|----------|----------|---------|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dr. Bulb | Wet Bulb | Dew Po. | |
| 90/ 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 88/ 87 | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | 5 | 5 | | | |
| 86/ 85 | | | | | | | | | | | | | | | | | .1 | .2 | .9 | 1.3 | | | | | | | | | | | | 23 | 23 | | | | |
| 84/ 83 | | | | | | | | | | | | | | | | | .4 | .5 | .1 | .2 | | | | | | .1 | | | | | | | 14 | 14 | | | |
| 82/ 81 | | | | | | | | | | | | | .3 | .5 | 1.3 | | .4 | .5 | .2 | | | | | | | | | | | | | 33 | 33 | | | | |
| 80/ 79 | | | | | | | | | | .2 | .4 | 1.0 | .8 | .3 | 1.1 | | .1 | .7 | | | | | | | | | | | | | | 42 | 42 | | | | |
| 78/ 77 | | | | | | | | | .1 | .8 | 1.3 | .3 | .5 | .8 | | | | | | | | | | | | | | | | | | 36 | 36 | | | | |
| 76/ 75 | | | | | | | .4 | 1.2 | 1.6 | 1.9 | .8 | .5 | 1.2 | | | | | | | | | | | | | | | | | | | 70 | 70 | | | | |
| 74/ 73 | | | | | | .5 | .3 | 1.9 | 1.5 | 2.0 | .7 | .1 | | | | | | | | | | | | | | | | | | | | 70 | 70 | | | | |
| 72/ 71 | | | | | .5 | 1.3 | 1.8 | 2.6 | 1.9 | 1.2 | | | | | | | | | | | | | .2 | | | | | | | | | 86 | 86 | | | | |
| 70/ 69 | | | | .5 | 1.8 | 1.3 | 1.9 | 1.0 | 1.1 | .1 | | | | | | | | | .1 | | | | | | | | | | | | | 70 | 70 | 0 | | | |
| 68/ 67 | | | .4 | 1.3 | 2.0 | 2.7 | 4.0 | 1.5 | .4 | | | | | | | | | | | | | | | | | | | | | | | 119 | 119 | 31 | | | |
| 66/ 65 | .1 | .2 | 1.5 | 1.8 | 2.6 | 1.7 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | 84 | 84 | 90 | | | |
| 64/ 63 | .2 | 1.1 | 1.8 | 1.7 | 3.2 | 1.8 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 101 | | | |
| 62/ 61 | | 1.0 | .9 | 2.3 | 2.1 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 68 | 68 | 119 | | | |
| 60/ 59 | .1 | 1.3 | 1.3 | 2.1 | .5 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 53 | 53 | 145 | | | |
| 58/ 57 | | .3 | .3 | .9 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 179 | | | |
| 56/ 55 | | | 1.0 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 116 | | | |
| 54/ 53 | | .1 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 84 | | | |
| 52/ 51 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 42 | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 90 | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 69 | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| TOTAL | .4 | 4.6 | 9.5 | 13.1 | 15.8 | 14.9 | 12.6 | 9.6 | 7.4 | 5.4 | 5.0 | 3.0 | .8 | .1 | | | | | | | | | | | | | | | | | | 915 | 915 | 915 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 915 | 915 | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel Hum. | 3204004 | 52026 | 56.91 | 6.401 | 915 | $\pm 0 F$ | $\pm 32 F$ | $\pm 67 F$ | $\pm 73 F$ | $\pm 80 F$ | $\pm 93 F$ | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dr. Bulb | 4440827 | 63369 | 69.3 | 7.351 | 915 | | | 57.8 | 29.9 | 8.8 | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 3220891 | 54217 | 59.3 | 4.356 | 915 | | | 4.1 | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 2519711 | 47713 | 52.1 | 5.889 | 915 | | | .3 | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISIT PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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USAFETAC FORM 0.26.5 (O1 A) DIVISION OF THE ARMY, WASHINGTON, D.C.

PSYCHROMETRIC SUMMARY

PAGE 1

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|--------|------|--------|------|----------|------------------------------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 90/ 69 | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 88/ 67 | | | | | | | | | | .0 | | .1 | | | | | | 7 | 7 | | | | | | | | | | | | | | | | |
| 86/ 65 | | | | | | | | | .0 | .1 | .2 | .2 | | | | | | 36 | 36 | | | | | | | | | | | | | | | | |
| 84/ 63 | | | | | | | | | .1 | .2 | .1 | .1 | | | .0 | .1 | | 35 | 35 | | | | | | | | | | | | | | | | |
| 82/ 61 | | | | | | | .1 | .1 | .2 | .3 | .2 | .0 | .0 | | | | | 68 | 68 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | .1 | .1 | .2 | .2 | .2 | .2 | .0 | .1 | .0 | | | | 97 | 97 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | .0 | .1 | .5 | .5 | .3 | .2 | .2 | .2 | .0 | .1 | | | | | 132 | 132 | | | | | | | | | | | | | | | | |
| 76/ 75 | | | .2 | .5 | .7 | .5 | .3 | .3 | .2 | .2 | .2 | .0 | | | | | | 189 | 189 | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | .0 | .4 | .8 | .5 | .6 | .2 | .1 | | | | | | | | 231 | 231 | | | | | | | | | | | | | | | | |
| 72/ 71 | | .3 | .2 | .9 | .6 | 1.0 | .6 | .4 | .1 | | | .0 | | | | | | 294 | 294 | | | | | | | | | | | | | | | | |
| 70/ 69 | | .3 | .6 | 1.1 | .9 | .6 | .4 | .2 | .0 | .1 | | | | | | | | 309 | 309 | 23 | | | | | | | | | | | | | | | |
| 68/ 67 | | .1 | .6 | 1.5 | 1.4 | 1.8 | .6 | .3 | .1 | .0 | | | | | | | | 500 | 500 | 31 | 1 | | | | | | | | | | | | | | |
| 66/ 65 | .1 | .3 | 1.6 | 1.5 | 1.3 | 1.5 | .5 | .1 | .0 | | | | | | | | | 516 | 516 | 284 | 28 | | | | | | | | | | | | | | |
| 64/ 63 | .2 | 1.6 | 2.4 | 2.3 | 1.6 | .9 | .3 | .0 | .0 | | | | | | | | | 679 | 679 | 450 | 107 | | | | | | | | | | | | | | |
| 62/ 61 | .4 | 3.3 | 2.8 | 2.3 | 1.6 | .7 | .2 | .0 | | | | | | | | | | 841 | 841 | 687 | 254 | | | | | | | | | | | | | | |
| 60/ 59 | .5 | 4.8 | 2.9 | 3.0 | .9 | .3 | .1 | | | | | | | | | | | 916 | 916 | 936 | 573 | | | | | | | | | | | | | | |
| 58/ 57 | .3 | 3.9 | 2.3 | 1.9 | .6 | .1 | .1 | | | | | | | | | | | 685 | 685 | 1238 | 733 | | | | | | | | | | | | | | |
| 56/ 55 | .2 | 3.4 | 2.7 | 1.6 | .2 | .2 | | | | | | | | | | | | 608 | 608 | 1048 | 659 | | | | | | | | | | | | | | |
| 54/ 53 | .5 | 2.8 | 2.5 | .8 | .1 | .0 | | | | | | | | | | | | 499 | 499 | 887 | 941 | | | | | | | | | | | | | | |
| 52/ 51 | .3 | 1.3 | 1.6 | .1 | .2 | | | | | | | | | | | | | 750 | 251 | 655 | 624 | | | | | | | | | | | | | | |
| 50/ 49 | .2 | 1.9 | 1.1 | .1 | | | | | | | | | | | | | | 234 | 234 | 469 | 1030 | | | | | | | | | | | | | | |
| 48/ 47 | .1 | 1.1 | .2 | | | | | | | | | | | | | | | 95 | 95 | 322 | 696 | | | | | | | | | | | | | | |
| 46/ 45 | .1 | .7 | .0 | | | | | | | | | | | | | | | 60 | 60 | 155 | 597 | | | | | | | | | | | | | | |
| 44/ 43 | .1 | .2 | | | | | | | | | | | | | | | | 19 | 19 | 57 | 335 | | | | | | | | | | | | | | |
| 42/ 41 | .0 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 6 | 168 | | | | | | | | | | | | | | |
| 40/ 39 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 5 | 56 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 51 | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 35 | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| TOTAL | 3.0 | 25.4 | 1.5 | 16.0 | 10.9 | 9.2 | 5.6 | 3.7 | 2.4 | 1.5 | 1.1 | .6 | .2 | .0 | .0 | | | 7306 | 7306 | 7305 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 7305 | | 7305 | | | | | | | | | | | | | | | |
| Element (X) | Σx ² | Σx | Σ | Σ | Σ | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | | | | | | | | | | | | | | |
| Rel. Hum | 40131055 | 526523 | 72.1 | 17.279 | 7305 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | 744 | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 28561381 | 453205 | 62.0 | 7.833 | 7306 | | | | | | | 193.2 | 80.9 | 17.5 | | | 744 | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 3347943 | 411259 | 56.3 | 5.097 | 7305 | | | | | | | 10.6 | | | | | 744 | | | | | | | | | | | | | | | | | | |
| Dew Point | 19984154 | 379880 | 52.0 | 5.604 | 7305 | | | | | | | .6 | .1 | | | | | 744 | | | | | | | | | | | | | | | | | |

| | |
|---------|---------------------|
| 3404 | BITBURG AD GFR 147Y |
| STATION | STATION NAME |

PAGE 1 0000-0200
HOURS (L. S. T.)

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | |
|-------------|-------------------------------------|------|------|-----|-----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|----------|----------|-----------|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | |
| 66/ 65 | | | | .1 | .1 | .1 | .3 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | | | |
| 64/ 63 | | .1 | .1 | .1 | .7 | .4 | | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 2 | 1 | |
| 62/ 61 | | | .7 | 1.3 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 2 | 2 | |
| 60/ 59 | | | 2.5 | 2.8 | 1.2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | 60 | 23 | 4 | |
| 58/ 57 | | .9 | 5.1 | 3.7 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 92 | 92 | 59 | 28 | |
| 56/ 55 | | .7 | 7.2 | 3.9 | 1.5 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 120 | 120 | 66 | 61 | |
| 54/ 53 | 1.5 | 5.1 | 4.1 | 2.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 118 | 118 | 130 | 102 | |
| 52/ 51 | .9 | 4.2 | 5.0 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 94 | 94 | 88 | 80 | |
| 50/ 49 | 1.1 | 6.3 | 4.5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | 107 | 119 | |
| 48/ 47 | .8 | 5.3 | 3.1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 86 | 86 | 138 | 82 | |
| 46/ 45 | .4 | 4.9 | 2.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | 70 | 90 | 114 | |
| 44/ 43 | .3 | 4.0 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 75 | 87 | |
| 42/ 41 | | 3.0 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 47 | 97 | |
| 40/ 39 | .2 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 32 | 48 | |
| 38/ 37 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 12 | 47 | |
| 36/ 35 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 14 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 5 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| TOTAL | 6.9 | 50.6 | 32.4 | 8.5 | .9 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 895 | 895 | | 295 | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Ref. Hum. | 6404261 | 75265 | 84.1 | 9.150 | 895 | | | | | | | 90 |
| Dry Bulb | 2444318 | 46502 | 52.0 | 5.615 | 895 | | | .2 | | | | 90 |
| Wet Bulb | 2216814 | 44286 | 49.5 | 5.338 | 895 | | | | | | | 90 |
| Dew Point | 2024930 | 42250 | 47.2 | 5.836 | 895 | | | .4 | | | | 90 |

PSYCHROMETRIC SUMMARY

9-7

SEP
MONTH

PAGE 1 0300-0500
HOURS S. T.

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|-------------|-------------------------------------|-------|-----|-----|----|----|---|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------------|----------|----------|-----------|-----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. - W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 66/ 65 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| 64/ 63 | | | .3 | .3 | .4 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | | | |
| 62/ 61 | | | .3 | 1.0 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 4 | 3 | |
| 60/ 59 | | | 1.7 | 1.4 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 7 | 2 | |
| 58/ 57 | .7 | 4.3 | 2.8 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 73 | 73 | 56 | 14 | |
| 56/ 55 | .4 | 7.2 | 1.9 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 78 | 53 | |
| 54/ 53 | 1.8 | 8.1 | 3.3 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 124 | 124 | 106 | 98 | |
| 52/ 51 | .9 | 4.7 | 4.0 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 88 | 88 | 95 | 85 | |
| 50/ 49 | 1.0 | 1.0 | 4.6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 156 | 156 | 100 | 133 | |
| 48/ 47 | 1.0 | 7.0 | 2.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 94 | 94 | 143 | 103 | |
| 46/ 45 | .4 | 6.1 | 1.6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 74 | 74 | 89 | 98 | |
| 44/ 43 | .0 | 4.6 | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | 58 | 88 | 88 | |
| 42/ 41 | .2 | 4.2 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 56 | 67 | |
| 40/ 39 | .2 | 1.7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 46 | 67 | |
| 38/ 37 | .1 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 18 | 44 | |
| 36/ 35 | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 8 | 26 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 12 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 7.963 | 125.1 | 3.2 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 897 | 897 | | 897 |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|-------------|----------------|----------------|----------------|----------------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≈ 67 F | ≈ 73 F | ≈ 80 F | ≈ 93 F | |
| Rel Hum | 6820299 | 77945 | 86.9 | 7.923 | 897 | | | | | | | 90 |
| Dry Bulb | 2323751 | 45373 | 50.6 | 5.654 | 897 | | | | | | | 90 |
| Wet Bulb | 2146971 | 43609 | 48.6 | 5.475 | 897 | | | | | | | 90 |
| Dew Point | 1994636 | 41970 | 46.8 | 5.872 | 897 | | .4 | | | | | 90 |

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

34041 BITBURG AB GERMANY
STATION STATION NAME

9-7.

SEP
MAY 11

PAGE 1 0600-0600
HOURS - S. T

| Temp
(F) | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | TOTAL
D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
|-------------|--------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------------------|----------|----------|-----------|
| 64/ 63 | | .3 | .1 | .3 | | | | | | | | | | | | | | 7 | 7 | | |
| 62/ 61 | | | .4 | .1 | | | | | | | | | | | | | | 5 | 5 | 3 | 3 |
| 60/ 59 | .3 | 2.0 | 1.7 | .4 | | | | | | | | | | | | | | 0 | 40 | 5 | 3 |
| 58/ 57 | .9 | 5.3 | 2.7 | .3 | | | | | | | | | | | | | | 82 | 82 | 40 | 16 |
| 56/ 55 | .8 | 5.9 | 1.5 | .3 | .1 | | | | | | | | | | | | | 77 | 77 | 01 | 47 |
| 54/ 53 | 1.7 | 7.8 | 2.9 | .2 | .1 | | | | | | | | | | | | | 114 | 114 | 100 | 84 |
| 52/ 51 | .6 | 5.6 | 3.5 | .1 | | | | | | | | | | | | | | 87 | 87 | 80 | 82 |
| 50/ 49 | 2.1 | 8.7 | 3.1 | .2 | .1 | | | | | | | | | | | | | 128 | 128 | 117 | 115 |
| 48/ 47 | 1.1 | 6.8 | 3.5 | .2 | | | | | | | | | | | | | | 104 | 104 | 128 | 95 |
| 46/ 45 | 1.7 | 8.6 | 1.0 | .1 | | | | | | | | | | | | | | 102 | 102 | 114 | 123 |
| 44/ 43 | .4 | 4.7 | .6 | 2 | | | | | | | | | | | | | | 53 | 53 | 91 | 96 |
| 42/ 41 | .1 | 4.7 | .6 | | | | | | | | | | | | | | | 50 | 50 | 52 | 83 |
| 40/ 39 | .2 | 2.1 | .1 | | | | | | | | | | | | | | | 22 | 22 | 41 | 57 |
| 38/ 37 | .1 | 1.6 | | | | | | | | | | | | | | | | 15 | 15 | 25 | 44 |
| 36/ 35 | | .8 | | | | | | | | | | | | | | | | 7 | 7 | 11 | 30 |
| 34/ 33 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 7 | 13 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 10.265 | 0.71 | 3.2 | .3 | | | | | | | | | | | | | | 895 | 895 | 895 | 895 |

PSYCHROMETRIC SUMMARY

G-7.

514
4245

PAGE 1 0930-1100
HOURS 5 5 7

[illegible]

3404 BITBURG AG GFR MARY
STATION STATION

57A-3N

STATION NAME

9-7.

YEARS

SEP
MON

PAGE 1 1200-1400

HOURS . . . 5 . . . 7

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | .1 | | .1 | | | | | | 7 | 2 | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | .2 | .3 | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | .1 | .2 | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | .1 | .3 | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | .2 | .7 | .4 | | | | | | | | | | 12 | 12 | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | .2 | .8 | .4 | .2 | .1 | | | | | | | | | 16 | 16 | | | | | | | | | | | | | | | | |
| 72/ 71 | | | .1 | .1 | .4 | .8 | .3 | .2 | | .1 | | | | | | | | 19 | 19 | | | | | | | | | | | | | | | | |
| 70/ 69 | | | .2 | .4 | 1.3 | 2.1 | .4 | .2 | .1 | | | | | | | | | 44 | 44 | | | | | | | | | | | | | | | | |
| 68/ 67 | | | .1 | 1.3 | 2.2 | 2.8 | .5 | 1.0 | .1 | | | | | | | | | 73 | 73 | 3 | | | | | | | | | | | | | | | |
| 66/ 65 | | .2 | 1.3 | 2.6 | 2.6 | 2.0 | .7 | 1.0 | | .1 | | | | | | | | 94 | 94 | 10 | 1 | | | | | | | | | | | | | | |
| 64/ 63 | | .4 | 2.2 | 2.6 | 2.5 | 2.1 | 1.4 | .4 | | | | | | | | | | 105 | 105 | 40 | 4 | | | | | | | | | | | | | | |
| 62/ 61 | | .2 | 1.0 | 2.1 | 2.2 | 2.0 | .4 | .1 | | | | | | | | | | 80 | 80 | 77 | 9 | | | | | | | | | | | | | | |
| 60/ 59 | | 1.7 | 2.8 | 3.9 | 2.5 | 2.3 | .4 | | | | | | | | | | | 122 | 122 | 92 | 29 | | | | | | | | | | | | | | |
| 58/ 57 | .1 | 1.3 | 1.1 | 2.1 | 2.2 | .7 | .2 | .1 | | | | | | | | | | 71 | 71 | 113 | 58 | | | | | | | | | | | | | | |
| 56/ 55 | .2 | 1.1 | 2.8 | 2.2 | 1.2 | .8 | .1 | | | | | | | | | | | 74 | 74 | 93 | 90 | | | | | | | | | | | | | | |
| 54/ 53 | .4 | 1.0 | 1.0 | 1.9 | 1.2 | .2 | | | | | | | | | | | | 52 | 52 | 112 | 91 | | | | | | | | | | | | | | |
| 52/ 51 | .1 | 1.7 | 2.0 | 1.4 | .3 | | | | | | | | | | | | | 57 | 57 | 109 | 90 | | | | | | | | | | | | | | |
| 50/ 49 | .1 | .7 | 2.7 | .3 | .1 | | | | | | | | | | | | | 35 | 35 | 96 | 118 | | | | | | | | | | | | | | |
| 48/ 47 | | 1.2 | .7 | | | | | | | | | | | | | | | 17 | 17 | 67 | 77 | | | | | | | | | | | | | | |
| 46/ 45 | | .3 | .1 | | | | | | | | | | | | | | | 4 | 4 | 62 | 83 | | | | | | | | | | | | | | |
| 44/ 43 | | .8 | | | | | | | | | | | | | | | | 5 | 5 | 15 | 73 | | | | | | | | | | | | | | |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 3 | 84 | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 1.0 | 10.6 | 19.7 | 21.1 | 19.1 | 16.6 | 5.8 | 4.0 | .9 | .8 | .3 | .1 | | | | | | 897 | 897 | 897 | 697 | | | | | | | | | | | | | | |

| Element (X) | Σx ² | Σx | \bar{x} | s ² | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|-----------------|-------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 4114344 | 59362 | 66.214 | 403 | 897 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 3369168 | 54612 | 60.9 | 7.026 | 897 | | | 18.1 | 4.4 | .9 | | 90 |
| Wet Bulb | 2668993 | 48693 | 54.3 | 5.359 | 897 | | | .3 | | | | 90 |
| Dew Point | 2175665 | 43823 | 48.9 | 6.222 | 897 | | .3 | | | | | 90 |

PSYCHROMETRIC SUMMARY

1-7

252

574

STATION NAME

YEARS

 MCH^{TM}

PAGE 1 1500-1700

NO. 85

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | .1 | .1 | | | | | 2 | | 2 | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | .2 | .2 | | | | | | 4 | | 4 | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | .3 | .2 | | | | | | | 5 | | 5 | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | .2 | .1 | .4 | | | | | | | | 7 | | 7 | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | .3 | .7 | .1 | .1 | | | | | | | | 11 | | 11 | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | 1.2 | .2 | .2 | | | | | | | | | | 15 | | 15 | | | | | | | | | | | | | | | |
| 74/ 73 | | | | .5 | .2 | .3 | .3 | .5 | .1 | | | | | | | | | 17 | | 17 | | | | | | | | | | | | | | | |
| 72/ 71 | | | | .7 | 1.7 | 1.4 | .7 | .6 | .1 | .1 | | | | | | | | 47 | | 47 | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | 1.3 | 3.2 | 1.3 | .6 | .6 | .2 | | | | | | | | 65 | | 65 | | | | | | | | | | | | | | | |
| 68/ 67 | | | .1 | 1.7 | 1.8 | 4.2 | 1.0 | .3 | .7 | .1 | | | | | | | | 93 | | 93 | | | | | | | | | | | | | | | |
| 66/ 65 | | | 1.2 | 1.7 | 2.2 | 1.4 | 1.6 | 1.3 | .1 | | | | | | | | | 86 | | 86 | 18 | | | | | | | | | | | | | | |
| 64/ 63 | | .3 | 2.0 | 3.0 | 1.8 | 1.9 | 1.4 | .6 | | | | | | | | | | 99 | | 99 | 45 | | | | | | | | | | | | | | |
| 62/ 61 | | 1.0 | 1.0 | 2.9 | 1.8 | 2.7 | .9 | | | | | | | | | | | 92 | | 92 | 73 | 6 | | | | | | | | | | | | | |
| 60/ 59 | | .8 | 1.0 | 2.3 | 1.8 | 1.1 | .4 | | | | | | | | | | | 67 | | 67 | 105 | 28 | | | | | | | | | | | | | |
| 58/ 57 | .1 | 1.2 | 1.7 | 2.1 | 1.3 | 1.1 | .3 | | | | | | | | | | | 71 | | 71 | 121 | 62 | | | | | | | | | | | | | |
| 56/ 55 | | 1.1 | 1.3 | 2.1 | 1.7 | .7 | | | | | | | | | | | | 62 | | 62 | 98 | 58 | | | | | | | | | | | | | |
| 54/ 53 | | 1.6 | 2.0 | 1.6 | 1.3 | .6 | | | | | | | | | | | | 63 | | 63 | 112 | 98 | | | | | | | | | | | | | |
| 52/ 51 | | .2 | 1.9 | 1.3 | .3 | | | | | | | | | | | | | 34 | | 34 | 120 | 103 | | | | | | | | | | | | | |
| 50/ 49 | | 1.3 | 2.1 | 1.2 | | | | | | | | | | | | | | 42 | | 42 | 64 | 127 | | | | | | | | | | | | | |
| 48/ 47 | | .3 | .7 | | | | | | | | | | | | | | | 9 | | 9 | 72 | 79 | | | | | | | | | | | | | |
| 46/ 45 | .1 | .2 | .1 | | | | | | | | | | | | | | | 4 | | 4 | 50 | 92 | | | | | | | | | | | | | |
| 44/ 43 | | .1 | | | | | | | | | | | | | | | | 1 | | 1 | 16 | 66 | | | | | | | | | | | | | |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | 1 | | 1 | 3 | 64 | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | 64 | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | 29 | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| TOTAL | .2 | 8.4 | 15.2 | 20.0 | 16.4 | 18.8 | 10.4 | 5.4 | 2.9 | 1.4 | .6 | .3 | .1 | | | | | 897 | | 897 | 897 | 897 | | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum. | 3705571 | 56059 | 62.51 | 5.019 | 897 | $\leq 0^\circ\text{F}$ | $\leq 32^\circ\text{F}$ | $\geq 67^\circ\text{F}$ | $\geq 73^\circ\text{F}$ | $\geq 80^\circ\text{F}$ | $\geq 93^\circ\text{F}$ | |
| Dry Bulb | 3526415 | 55847 | 62.3 | 7.425 | 897 | | | 26.7 | 6.1 | 1.3 | | 90 |
| Wet Bulb | 2706792 | 49042 | 54.7 | 5.335 | 897 | | | | | | | 90 |
| Dew Point | 2142465 | 43477 | 48.5 | 6.265 | 897 | | | .4 | | | | 90 |

USAFETAC FORM 0 26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3404 BITBURG AD GER MANY
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PAGE 1 1800-2000

| Temp
°F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|------------|-------------------------------------|------|------|------|------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|----------|----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb |
| 82/ 61 | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | .2 | | | | | | | | | | | | | 2 | 2 | | |
| 78/ 77 | | | | | | | | | | | | | | .2 | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 76/ 75 | | | | | | | | | | | | .2 | .2 | | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 74/ 73 | | | | | | | .1 | .1 | | .4 | .2 | | | | | | | | | | | | | | | | | | | | | | 4 | 8 | | |
| 72/ 71 | | | | | | .1 | .2 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | | |
| 70/ 69 | | | | | 1.0 | 1.0 | .2 | | | .1 | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | | | |
| 68/ 67 | | | | 1.0 | 1.2 | 1.0 | | | .3 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | 36 | 36 | | | |
| 66/ 65 | | | .4 | 2.2 | .9 | .7 | .1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | 1 | | |
| 64/ 63 | | .4 | 1.6 | 3.9 | 2.2 | .7 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 88 | 88 | 15 | | |
| 62/ 61 | | .3 | 2.3 | 2.9 | 2.1 | 1.2 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 90 | 90 | 45 | | |
| 60/ 59 | | 2.3 | 4.1 | 4.6 | 2.1 | 2.0 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 140 | 140 | 70 | 24 | |
| 58/ 57 | .2 | 2.5 | 3.2 | 2.3 | 1.7 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 115 | 38 | |
| 56/ 55 | .1 | 3.0 | 1.7 | 2.5 | 2.3 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | 91 | 114 | 83 | |
| 54/ 53 | | 2.5 | 3.3 | 2.0 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 78 | 78 | 112 | 106 |
| 52/ 51 | .3 | 1.5 | 2.5 | 1.6 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 114 | 99 |
| 50/ 49 | .2 | 1.2 | 2.5 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 78 | 118 |
| 48/ 47 | .1 | 1.8 | 1.5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 80 | 67 |
| 46/ 45 | | 2.0 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 67 | 92 |
| 44/ 43 | | .8 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 39 | 64 |
| 42/ 41 | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 18 | 90 |
| 40/ 39 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 7 | 61 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 38 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 1.0 | 19.2 | 25.9 | 24.8 | 15.3 | 8.0 | 3.3 | 1.6 | .3 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | 896 | 896 | 696 | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34040 BITBURK AB GER ANY
STATION STATION NAME

9-7

YEARS

SEP
MONTH

PAGE 1 2100-2300
HOURS U.S.T.

| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | |
|-----------|-------------------------------------|------|------|-----|-----|------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|----------|----------|-----------|-------|--|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | |
| 70/ 69 | | | | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | |
| 68/ 67 | | | | .1 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | |
| 66/ 65 | | | .2 | .6 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | 10 | 19 | | | | | | | | | |
| 64/ 63 | | .4 | 2.3 | 1.9 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | 45 | 45 | | | | | | | | | |
| 62/ 61 | | .6 | 2.3 | 1.9 | .2 | | .1 | | | | | | | | | | | | | | | | | | | | 52 | 52 | 17 | 3 | | | | | | | |
| 60/ 59 | .2 | 2.6 | 3.9 | 2.0 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | 82 | 82 | 42 | 9 | | | | | | | |
| 58/ 57 | .7 | 4.1 | 4.1 | 1.9 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | 107 | 107 | 96 | 29 | | | | | | | |
| 56/ 55 | .6 | 4.6 | 4.6 | 2.6 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | 117 | 117 | 112 | 69 | | | | | | | |
| 54/ 53 | .4 | 5.1 | 5.2 | 4.5 | .6 | | | | | | | | | | | | | | | | | | | | | | 142 | 142 | 99 | 116 | | | | | | | |
| 52/ 51 | .4 | 3.1 | 4.6 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | 80 | 80 | 110 | 98 | | | | | | | |
| 50/ 49 | .7 | 3.3 | 4.9 | 1.0 | .2 | | | | | | | | | | | | | | | | | | | | | | 91 | 91 | 122 | 142 | | | | | | | |
| 48/ 47 | .3 | 3.0 | 2.6 | .6 | | | | | | | | | | | | | | | | | | | | | | | 60 | 60 | 103 | 81 | | | | | | | |
| 46/ 45 | .2 | 3.2 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 66 | 69 | | | | | | | |
| 44/ 43 | | 2.2 | .6 | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 54 | 81 | | | | | | | |
| 42/ 41 | .1 | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 34 | 64 | | | | | | | |
| 40/ 39 | | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 15 | 62 | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 34 | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| TOTAL | 3.754 | 4.47 | 7.17 | 5.4 | 4.6 | 1.8 | .2 | | | | | | | | | | | | | | | | | | | | | 897 | 897 | 97 | | 97 | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum. | 5800715 | 71527 | 79.7 | 10.412 | 897 | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | 90 |
| Dry Bulb | 2674244 | 48698 | 54.3 | 5.828 | 897 | | | 1.3 | | | | 90 |
| Wet Bulb | 2354692 | 45714 | 51.0 | 5.278 | 897 | | | | | | | 90 |
| Dew Point | 2095074 | 43036 | 48.0 | 5.816 | 897 | | | | | | | 90 |

PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

3404 - BITBURG AB GERMANY
STATION

2-7.

YEARS

CT
MONTH

PAGE 1 0300-0500

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| Temp
°F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL
D.B. W.B. | TOTAL | | |
|------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----------|--|--|----------|--|--|-----------|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | | | Wet Bulb | | | Dew Point | | | | | | | | | | | | | |
| 62/ 61 | | | .2 | | | | | | | | | | | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | |
| 60/ 59 | | .4 | .3 | .1 | | | | | | | | | | | | | | 2 | | | 8 | | | | | | | | | | | | | | | | |
| 58/ 57 | .1 | .5 | .4 | | | | | | | | | | | | | | | 8 | | | 6 | | | | | | | | | | | | | | | | |
| 56/ 55 | .3 | 1.1 | .2 | | | | | | | | | | | | | | | 18 | | | 16 | | | | | | | | | | | | | | | | |
| 54/ 53 | .6 | 3.8 | .8 | | | | | | | | | | | | | | | 48 | | | 48 | | | | | | | | | | | | | | | | |
| 52/ 51 | 1.1 | 3.5 | 1.2 | | | | | | | | | | | | | | | 55 | | | 55 | | | | | | | | | | | | | | | | |
| 50/ 49 | 1.5 | 8.2 | 2.2 | .1 | | | | | | | | | | | | | | 111 | | | 111 | | | | | | | | | | | | | | | | |
| 48/ 47 | .4 | 6.5 | 1.7 | | | | | | | | | | | | | | | 64 | | | 84 | | | | | | | | | | | | | | | | |
| 46/ 45 | 2.3 | 8.8 | 1.1 | | | | | | | | | | | | | | | 111 | | | 111 | | | | | | | | | | | | | | | | |
| 44/ 43 | 1.7 | 6.9 | .4 | .1 | .2 | | | | | | | | | | | | | 80 | | | 89 | | | | | | | | | | | | | | | | |
| 42/ 41 | 1.0 | 8.6 | .2 | .2 | | | | | | | | | | | | | | 101 | | | 101 | | | | | | | | | | | | | | | | |
| 40/ 39 | 1.5 | 5.4 | .3 | .1 | | | | | | | | | | | | | | 73 | | | 73 | | | | | | | | | | | | | | | | |
| 38/ 37 | 2.5 | 5.1 | 1.1 | .1 | | | | | | | | | | | | | | 81 | | | 81 | | | | | | | | | | | | | | | | |
| 36/ 35 | 1.5 | 4.1 | .3 | .4 | | | | | | | | | | | | | | 64 | | | 64 | | | | | | | | | | | | | | | | |
| 34/ 33 | .6 | 1.7 | 1.3 | .1 | | | | | | | | | | | | | | 35 | | | 35 | | | | | | | | | | | | | | | | |
| 32/ 31 | .5 | 1.9 | .3 | .2 | | | | | | | | | | | | | | 30 | | | 30 | | | | | | | | | | | | | | | | |
| 30/ 29 | .2 | .5 | .2 | | | | | | | | | | | | | | | 9 | | | 9 | | | | | | | | | | | | | | | | |
| 28/ 27 | .1 | .1 | | | | | | | | | | | | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | |
| 26/ 25 | | .1 | | | | | | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 17.167.413.3 | 1.5 | .2 | | | | | | | | | | | | | | | | | | 930 | | | | | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|--|-------|
| Rel. Hum. | 7417584 | 82680 | 88.9 | 6.497 | 930 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | |
| Dry Bulb | 1822023 | 40715 | 43.8 | 6.524 | 930 | | 4.2 | | | | | | 93 |
| Wet Bulb | 1705930 | 39368 | 42.3 | 6.515 | 930 | | 7.0 | | | | | | 93 |
| Dew Point | 1587837 | 37837 | 40.7 | 7.221 | 930 | | 13.1 | | | | | | 93 |

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| Temp | | WET BULB TEMPERATURE DEPRESSION (F.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------|----|--------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| F | | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 62/ | 61 | | | .2 | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | |
| 60/ | 59 | | .2 | .3 | | | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | |
| 58/ | 57 | | .4 | .1 | | | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | |
| 56/ | 55 | .0 | 1.1 | 1.0 | | | | | | | | | | | | | | | | 25 | 25 | 13 | 12 | | | | | | | | | | | | | |
| 54/ | 53 | .1 | 2.4 | .3 | | | | | | | | | | | | | | | | 26 | 26 | 16 | 10 | | | | | | | | | | | | | |
| 52/ | 51 | .5 | 3.3 | .0 | | | | | | | | | | | | | | | | 43 | 43 | 42 | 21 | | | | | | | | | | | | | |
| 50/ | 49 | 1.0 | 7.0 | 1.3 | | | | | | | | | | | | | | | | 94 | 94 | 66 | 68 | | | | | | | | | | | | | |
| 48/ | 47 | .0 | 5.6 | 1.0 | .1 | | | | | | | | | | | | | | | 75 | 75 | 75 | 55 | | | | | | | | | | | | | |
| 46/ | 45 | 2.4 | 9.5 | .0 | | | | | | | | | | | | | | | | 117 | 117 | 102 | 84 | | | | | | | | | | | | | |
| 44/ | 43 | 1.7 | 7.7 | .4 | | | | | | | | | | | | | | | | 92 | 92 | 118 | 96 | | | | | | | | | | | | | |
| 42/ | 41 | 2.6 | 7.6 | .0 | | | | | | | | | | | | | | | | 102 | 102 | 96 | 131 | | | | | | | | | | | | | |
| 40/ | 39 | 1.9 | 6.4 | .6 | .2 | | | | | | | | | | | | | | | 105 | 105 | 78 | 81 | | | | | | | | | | | | | |
| 38/ | 37 | 1.4 | 6.6 | .0 | .2 | | | | | | | | | | | | | | | 81 | 81 | 97 | 93 | | | | | | | | | | | | | |
| 36/ | 35 | 2.2 | 4.6 | 1.1 | .3 | | | | | | | | | | | | | | | 78 | 78 | 66 | 102 | | | | | | | | | | | | | |
| 34/ | 33 | .4 | 2.9 | .9 | .3 | | | | | | | | | | | | | | | 42 | 42 | 56 | 44 | | | | | | | | | | | | | |
| 32/ | 31 | .3 | 1.9 | .3 | | | | | | | | | | | | | | | | 24 | 24 | 41 | 40 | | | | | | | | | | | | | |
| 30/ | 29 | .1 | 1.0 | | | | | | | | | | | | | | | | | 10 | 10 | 30 | 30 | | | | | | | | | | | | | |
| 28/ | 27 | | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 30 | | | | | | | | | | | | | |
| 26/ | 25 | | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 14 | | | | | | | | | | | | | |
| 24/ | 23 | | | | | | | | | | | | | | | | | | | | | 1 | 7 | | | | | | | | | | | | | |
| 22/ | 21 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| 20/ | 19 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| 18/ | 17 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| TOTAL | | 16.970 | 9.911 | 1.1 | 1.2 | | | | | | | | | | | | | | | | 930 | | 930 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 930 | | 930 | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Ref. Num. | 7455048 | 82930 | 89.2 | 8.104 | 930 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 1758498 | 40000 | 43.0 | 6.401 | 930 | | 3.8 | | | | | 93 |
| Wet Bulb | 1649635 | 38715 | 41.6 | 6.393 | 930 | | 7.8 | | | | | 93 |
| Dew Point | 1535387 | 37215 | 40.0 | 7.051 | 930 | | 13.3 | | | | | 93 |

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| WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | | TOTAL | | | | | | |
|------------------------------------|--|-----|------|------|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|------|------|-------|-----|----------|-----|-----|-----|-----|
| Temp | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | O.B. | W.B. | D. | B. | Wet Bulb | De | P. | | |
| 68/ 67 | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | |
| 66/ 65 | | | | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | | | | | |
| 64/ 63 | | | | | .3 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | 5 | | | | |
| 62/ 61 | | | .1 | .6 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 16 | | | | |
| 60/ 59 | | | .4 | .6 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | | 13 | | | 1 | |
| 58/ 57 | | | 1.1 | 1.5 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | | 31 | | 17 | 3 | |
| 56/ 55 | | .2 | 1.5 | 1.7 | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | | 38 | | 25 | 14 | |
| 54/ 53 | | 1.0 | 5.6 | 1.7 | 1.4 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 93 | | 93 | | 57 | 34 | |
| 52/ 51 | | .6 | 3.1 | 1.1 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | | 60 | | 72 | 50 | |
| 50/ 49 | | 1.0 | 6.7 | 4.5 | .6 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 122 | | 122 | | 71 | 92 | |
| 48/ 47 | | 1.4 | 7.3 | 2.7 | .4 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 111 | | 111 | | 106 | 71 | |
| 46/ 45 | | 1.3 | 6.7 | 1.7 | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 117 | | 117 | | 121 | 110 | |
| 44/ 43 | | .2 | 6.4 | 1.1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | 50 | | 124 | 94 | |
| 42/ 41 | | .5 | 5.7 | 1.1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 73 | | 73 | | 82 | 98 | |
| 40/ 39 | | 1.1 | 4.3 | 1.0 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | | 70 | | 83 | 87 | |
| 38/ 37 | | .3 | 4.1 | .6 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | | 51 | | 50 | 78 |
| 36/ 35 | | .3 | 1.6 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | | 25 | | 51 | 61 |
| 34/ 33 | | .1 | 1.2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | | 14 | | 31 | 41 |
| 32/ 31 | | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | 6 | | 15 | 34 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 23 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| DATA | | 9.5 | 57.7 | 23.6 | 6.9 | 2.0 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 928 | | 928 | | | 928 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34047 BITBURK AB GERMANY
STATION NO STATION NAME

7-7

YEARS

PAGE 1 1200-1400
HOURS 15

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | |
|-------------|-------------------------------------|---------|-------|-----|-----|-----|------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|----------|----------|-----------|-----|--|-------|--|--|
| | 0 | 1 | 2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 70/ 69 | | | | | | .3 | .4 | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | | | | | | |
| 68/ 67 | | | | | .1 | .5 | .3 | .1 | | .1 | | | | | | | | | | | | | | | | | | | 11 | 11 | | | | | | | |
| 66/ 65 | | | | .1 | .6 | .8 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | 27 | 22 | | | | | | | |
| 64/ 63 | | | | .8 | 1.9 | .9 | .5 | .8 | .1 | | | | | | | | | | | | | | | | | | | | 46 | 46 | | | | | | | |
| 62/ 61 | | .1 | .5 | 1.4 | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 10 | | | | | | |
| 60/ 59 | | .3 | 1.2 | 2.8 | 1.1 | .5 | | | .3 | .1 | | | | | | | | | | | | | | | | | | | 61 | 61 | 29 | 1 | | | | | |
| 58/ 57 | .1 | 1.1 | 1.6 | 2.8 | .7 | .2 | | | .1 | | | | | | | | | | | | | | | | | | | | 62 | 62 | 39 | 15 | | | | | |
| 56/ 55 | .1 | 1.1 | 2.7 | 1.9 | .6 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | 61 | 61 | 56 | 7 | | | | | |
| 54/ 53 | .3 | 3.0 | 2.5 | 3.5 | 1.5 | .5 | .3 | | | | | | | | | | | | | | | | | | | | | | 109 | 109 | 80 | | | | | | |
| 52/ 51 | .2 | 1.6 | 3.2 | 2.2 | 1.5 | .3 | .4 | | | | | | | | | | | | | | | | | | | | | | 86 | 86 | 90 | 58 | | | | | |
| 50/ 49 | 1.0 | 2.8 | 4.2 | 2.8 | .9 | .4 | .2 | | | | | | | | | | | | | | | | | | | | | | 115 | 115 | 81 | 93 | | | | | |
| 48/ 47 | .4 | 3.5 | 3.1 | 1.3 | .4 | .4 | | | | | | | | | | | | | | | | | | | | | | | 86 | 86 | 104 | 79 | | | | | |
| 46/ 45 | .3 | 4.0 | 1.6 | 1.0 | .2 | .3 | | | | | | | | | | | | | | | | | | | | | | | 69 | 69 | 135 | 99 | | | | | |
| 44/ 43 | .1 | 2.7 | 1.9 | .9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 101 | 85 | | | | | |
| 42/ 41 | .2 | 3.6 | 1.3 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 63 | 105 | | | | | |
| 40/ 39 | .3 | 2.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 65 | 10 | | | | | |
| 38/ 37 | | 1.8 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 43 | 67 | | | | | |
| 36/ 35 | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 29 | 69 | | | | | |
| 34/ 33 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 5 | 34 | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | |
| TOTAL | 3.928 | 275.572 | 2.811 | .5 | 5.3 | 2.0 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | 930 | 930 | 930 | | 930 | | | | |

| Element (X) | ΣX | ΣX^2 | \bar{X} | σ^2 | No. Obs | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------|--------------|-----------|------------|---------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel Hum | 5297219 | 68859 | 74.01 | 4.627 | 930 | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | |
| Dry Bulb | 2532029 | 48051 | 51.7 | 7.288 | 930 | | | 1.8 | | | | 93 |
| Wet Bulb | 2125001 | 44375 | 47.4 | 6.240 | 930 | | | | | | | 93 |
| Dew Point | 778000 | 40100 | 43.1 | 7.259 | 930 | | | 6.5 | | | | 93 |

REVISOR: REVISIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26.5 (OL 2) JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAL
AIR WEATHER SERVICE/AF

PSYCHROMETRIC SUMMARY

3404. BITBURG AB GER ANY
STATION STATION NAME

9-7

YEARS

ICT

4.5

PAGE 1 1500-1700

HOURS _____

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|------|----------|----------|---------|-----|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Pt. | Po. | | | | | | | | | | | | |
| 72/ 71 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | .2 | .1 | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | |
| 68/ 67 | | | .1 | .2 | 1.2 | .6 | .1 | | | | | | | | | | | 30 | 39 | | | | | | | | | | | | | | | | |
| 66/ 65 | | | .2 | 1.1 | .5 | .5 | .4 | | | | | | | | | | | 26 | 26 | | | | | | | | | | | | | | | | |
| 64/ 63 | | 1.3 | 1.9 | 1.6 | .9 | .4 | | | | | | | | | | | | 51 | 51 | | | 2 | | | | | | | | | | | | | |
| 62/ 61 | | | .5 | 2.2 | 2.2 | .3 | .1 | .1 | | | | | | | | | | 50 | 50 | | 18 | | 1 | | | | | | | | | | | | |
| 60/ 59 | .9 | .4 | 1.9 | .8 | .4 | .2 | | .2 | | | | | | | | | | 45 | 45 | | 43 | | | | | | | | | | | | | | |
| 58/ 57 | .6 | 1.0 | 1.8 | 1.1 | .4 | .1 | | | | | | | | | | | | 4 | 47 | | 49 | | 20 | | | | | | | | | | | | |
| 56/ 55 | 2.2 | 2.3 | 2.9 | .9 | .4 | .2 | .1 | | | | | | | | | | | 38 | 88 | | 57 | | 41 | | | | | | | | | | | | |
| 54/ 53 | 1.5 | 1.9 | 4.2 | 2.4 | .6 | .4 | .1 | | | | | | | | | | | 104 | 104 | | 82 | | 46 | | | | | | | | | | | | |
| 52/ 51 | .2 | 1.6 | 4.6 | 2.4 | 1.2 | .3 | .4 | | | | | | | | | | | 106 | 106 | | 76 | | 46 | | | | | | | | | | | | |
| 50/ 49 | .3 | 2.3 | 4.0 | 2.6 | .9 | .5 | .1 | | | | | | | | | | | 17 | 107 | | 85 | | 100 | | | | | | | | | | | | |
| 48/ 47 | .1 | 1.8 | 3.8 | 1.4 | 1.1 | .3 | | | | | | | | | | | | 79 | 79 | | 113 | | 81 | | | | | | | | | | | | |
| 46/ 45 | .3 | 2.3 | 1.3 | 1.2 | .8 | .1 | | | | | | | | | | | | 55 | 55 | | 114 | | 94 | | | | | | | | | | | | |
| 44/ 43 | | 2.8 | 1.3 | .6 | .3 | | | | | | | | | | | | | 47 | 47 | | 94 | | 79 | | | | | | | | | | | | |
| 42/ 41 | .3 | 2.4 | .7 | .2 | .1 | | | | | | | | | | | | | 36 | 36 | | 68 | | 85 | | | | | | | | | | | | |
| 40/ 39 | .1 | 1.7 | .2 | | | | | | | | | | | | | | | 24 | 24 | | 62 | | 92 | | | | | | | | | | | | |
| 38/ 37 | .1 | 1.6 | .3 | | | | | | | | | | | | | | | 19 | 19 | | 41 | | 77 | | | | | | | | | | | | |
| 36/ 35 | .1 | .2 | .1 | | | | | | | | | | | | | | | 4 | 4 | | 22 | | 53 | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 4 | | 42 | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | 27 | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | |
| TOTAL | 1.0 | 21.8 | 26.1 | 24.6 | 15.5 | 6.5 | 3.2 | .4 | .2 | | | | | | | | | 930 | 930 | | 930 | | 930 | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum. | 4928701 | 66389 | 71.4 | 14.281 | 930 | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | |
| Dry Bulb | 2640830 | 49138 | 52.8 | 7.592 | 930 | | | 4.8 | | | | 93 |
| Wet Bulb | 2183546 | 44660 | 48.0 | 6.471 | 930 | | | | | | | 93 |
| Dew Point | 1794268 | 40250 | 43.3 | 7.501 | 930 | | | 7.3 | | | | 93 |

USAFETAC
FORM
HD 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY SERVICE
 USAFETAC
 AIR MATER SERVICE/AF

PSYCHROMETRIC SUMMARY

3404 BITBURG AB GERMANY
 STATION STATION NAME

7-7

YEARS

MOCT

MONTH

PAGE 1 1800-2000
 HOURS

| Temp
°F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL
D.B. W.B. Dry Bulb | | | TOTAL
Wet Bulb Dew Point | |
|------------|-------------------------------------|-------|------|-----|-----|-----|----|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------------------|-----|-----|-----------------------------|----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| 08/ 67 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 06/ 65 | | | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 04/ 63 | | | | | 1.2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | | | |
| 02/ 61 | | .2 | 1.2 | .0 | .4 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 26 | 2 | | |
| 00/ 59 | | .4 | 1.6 | 1.6 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 5 | | |
| 58/ 57 | .1 | 1.3 | 1.7 | 1.2 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | 45 | 33 | 7 | |
| 56/ 55 | .1 | 1.3 | 3.2 | 1.2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 56 | 56 | 37 | 22 | |
| 54/ 53 | .5 | 3.3 | 4.1 | 2.2 | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 97 | 97 | 64 | 46 | |
| 52/ 51 | .2 | 2.9 | 2.5 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 61 | 61 | 74 | 38 | |
| 50/ 49 | .0 | 4.2 | 4.3 | 1.6 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 110 | 110 | 95 | 96 | |
| 48/ 47 | .5 | 3.9 | 4.3 | 1.0 | .4 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 97 | 97 | 94 | 83 | |
| 46/ 45 | .3 | 6.6 | 3.0 | 1.1 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | 98 | 84 | |
| 44/ 43 | .1 | 4.5 | 2.0 | 1.1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 78 | 78 | 125 | 79 | |
| 42/ 41 | .1 | 5.9 | 1.4 | 1.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 95 | 61 | 105 | |
| 40/ 39 | .4 | 3.9 | .0 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 53 | 103 | |
| 38/ 37 | .2 | 2.0 | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 57 | 85 | |
| 36/ 35 | .1 | 1.1 | .0 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 46 | 64 | |
| 34/ 33 | | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 18 | 34 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 29 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 13 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 3.742 | 3.332 | 7.16 | 1 | 3.5 | 1.4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 930 | 930 | 930 | 30 | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel Hum. | 6013600 | 74028 | 79.61 | 1.411 | 930 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 2239265 | 45203 | 48.6 | 6.36 | 930 | | | .1 | | | | 93 |
| Wet Bulb | 1968362 | 42376 | 45.6 | 6.351 | 930 | | | 1.5 | | | | 93 |
| Dew Point | 1717800 | 39388 | 42.4 | 7.308 | 930 | | | 8.4 | | | | 93 |

REVISOR: 02-05 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

3-7

Part 1 2100-2500
MOJNS - S. V.

| Temp
'F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 68/ 67 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 62/ 61 | | | .4 | .2 | | | | | | | | | | | | | | 6 | 6 | | 1 | | | | | | | | | | | | | | |
| 67/ 59 | | .3 | 1.0 | .3 | | | | | | | | | | | | | | 15 | 15 | | 1 | | | | | | | | | | | | | | |
| 58/ 57 | | 1.1 | 1.0 | .3 | | | | | | | | | | | | | | 22 | 22 | | 10 | 3 | | | | | | | | | | | | | |
| 56/ 55 | .3 | 2.8 | 1.1 | .1 | | | | | | | | | | | | | | 40 | 40 | | 32 | 8 | | | | | | | | | | | | | |
| 54/ 53 | 1.0 | 5.1 | 2.2 | .9 | | | | | | | | | | | | | | 84 | 84 | | 55 | 50 | | | | | | | | | | | | | |
| 52/ 51 | .6 | 3.2 | 3.5 | .4 | .1 | | | | | | | | | | | | | 75 | 75 | | 60 | 43 | | | | | | | | | | | | | |
| 50/ 49 | 1.7 | 7.5 | 4.0 | .2 | | | | | | | | | | | | | | 123 | 123 | | 67 | 93 | | | | | | | | | | | | | |
| 48/ 47 | 1.3 | 5.2 | 3.2 | | .2 | | | | | | | | | | | | | 92 | 92 | | 113 | 87 | | | | | | | | | | | | | |
| 46/ 45 | .4 | 6.2 | 2.5 | .3 | .2 | | | | | | | | | | | | | 108 | 108 | | 80 | 71 | | | | | | | | | | | | | |
| 44/ 43 | .4 | 7.7 | 2.5 | .1 | .1 | | | | | | | | | | | | | 161 | 161 | | 118 | 86 | | | | | | | | | | | | | |
| 42/ 41 | .1 | 6.5 | 1.4 | .4 | | | | | | | | | | | | | | 78 | 78 | | 111 | 96 | | | | | | | | | | | | | |
| 40/ 39 | .2 | 5.5 | 1.6 | .3 | .3 | | | | | | | | | | | | | 74 | 74 | | 77 | 99 | | | | | | | | | | | | | |
| 38/ 37 | .6 | 3.9 | 1.4 | .2 | | | | | | | | | | | | | | 58 | 58 | | 72 | 86 | | | | | | | | | | | | | |
| 36/ 35 | .3 | 2.5 | .4 | .1 | | | | | | | | | | | | | | 27 | 27 | | 51 | 86 | | | | | | | | | | | | | |
| 34/ 33 | .3 | .5 | 1.0 | .1 | | | | | | | | | | | | | | 18 | 18 | | 39 | 29 | | | | | | | | | | | | | |
| 32/ 31 | | .4 | .4 | | | | | | | | | | | | | | | 8 | 8 | | 9 | 34 | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 13 | 17 | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 1 | 15 | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| TOTAL | 7.659 | 727.5 | 4.2 | 1.0 | | | | | | | | | | | | | | 930 | | 930 | | 930 | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel Hum. | 6760374 | 78842 | 84.8 | 9.590 | 930 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 2035008 | 43106 | 46.4 | 6.313 | 930 | | .8 | .1 | | | | 93 |
| Wet Bulb | 1856740 | 41140 | 44.2 | 6.298 | 930 | | 2.3 | | | | | 93 |
| Dew Point | 1683346 | 38994 | 41.9 | 7.215 | 930 | | 9.3 | | | | | 93 |

U'AFETAC FORM 0-26 5 (Q1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

HOURS 1. 5. 7. 9.

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | .1 | .1 | .0 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | .1 | .1 | .0 | | | | | | | | | | 15 | 15 | | | | | | | | | | | | | | | | |
| 68/ 67 | | | .0 | .1 | .3 | .2 | .1 | .0 | .0 | | | | | | | | | 53 | 53 | | | | | | | | | | | | | | | | |
| 66/ 65 | | | .0 | .3 | .2 | .2 | .1 | | | | | | | | | | | 52 | 52 | | | | | | | | | | | | | | | | |
| 64/ 63 | | | .3 | .0 | .3 | .2 | .1 | .0 | | | | | | | | | | 118 | 115 | 2 | | | | | | | | | | | | | | | |
| 62/ 61 | | .1 | .5 | .7 | .5 | .1 | .0 | .0 | | | | | | | | | | 137 | 137 | 31 | 1 | | | | | | | | | | | | | | |
| 60/ 59 | | .5 | .8 | .9 | .3 | .1 | .0 | .0 | .0 | | | | | | | | | 194 | 194 | 87 | 2 | | | | | | | | | | | | | | |
| 58/ 57 | .0 | .8 | 1.0 | .0 | .3 | .1 | .0 | .0 | | | | | | | | | | 233 | 233 | 178 | 50 | | | | | | | | | | | | | | |
| 56/ 55 | .3 | 1.6 | 1.7 | .8 | .2 | .1 | .0 | .0 | | | | | | | | | | 354 | 354 | 247 | 150 | | | | | | | | | | | | | | |
| 54/ 53 | .6 | 3.6 | 1.3 | 1.5 | .5 | .2 | .1 | .0 | | | | | | | | | | 609 | 609 | 421 | 258 | | | | | | | | | | | | | | |
| 52/ 51 | .6 | 2.8 | 2.4 | .8 | .3 | .1 | .1 | | | | | | | | | | | 530 | 530 | 517 | 349 | | | | | | | | | | | | | | |
| 50/ 49 | 1.3 | 5.9 | 3.0 | 1.0 | .3 | .1 | .0 | | | | | | | | | | | 905 | 905 | 627 | 687 | | | | | | | | | | | | | | |
| 48/ 47 | .8 | 5.1 | 2.8 | .6 | .0 | .1 | | | | | | | | | | | | 724 | 724 | 800 | 600 | | | | | | | | | | | | | | |
| 46/ 45 | 1.1 | 7.0 | 1.7 | .5 | .2 | .1 | | | | | | | | | | | | 791 | 791 | 855 | 727 | | | | | | | | | | | | | | |
| 44/ 43 | .7 | 5.8 | 1.3 | .4 | .0 | | | | | | | | | | | | | 628 | 628 | 901 | 710 | | | | | | | | | | | | | | |
| 42/ 41 | .8 | 6.3 | 1.0 | .4 | .1 | | | | | | | | | | | | | 638 | 638 | 691 | 623 | | | | | | | | | | | | | | |
| 40/ 39 | 1.0 | 4.8 | .9 | .2 | .1 | | | | | | | | | | | | | 518 | 518 | 652 | 756 | | | | | | | | | | | | | | |
| 38/ 37 | .9 | 3.7 | .4 | .2 | | | | | | | | | | | | | | 407 | 407 | 521 | 685 | | | | | | | | | | | | | | |
| 36/ 35 | .0 | 2.2 | | .2 | | | | | | | | | | | | | | 273 | 273 | 397 | 571 | | | | | | | | | | | | | | |
| 34/ 33 | .3 | 1.0 | .5 | .1 | | | | | | | | | | | | | | 140 | 140 | 254 | 292 | | | | | | | | | | | | | | |
| 32/ 31 | .2 | .6 | .2 | .0 | | | | | | | | | | | | | | 79 | 79 | 140 | 258 | | | | | | | | | | | | | | |
| 30/ 29 | .0 | .3 | .0 | | | | | | | | | | | | | | | 27 | 27 | 84 | 162 | | | | | | | | | | | | | | |
| 28/ 27 | .0 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 21 | 137 | | | | | | | | | | | | | | |
| 26/ 25 | | .0 | | | | | | | | | | | | | | | | 3 | 3 | 7 | 100 | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 1 | 62 | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 32 | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | |
| TOTAL | 9.152 | 2.22 | .0 | 9.9 | 4.3 | 1.7 | .7 | .1 | .1 | | | | | | | | | 7434 | 7434 | 7434 | 7434 | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0000-0200
HOURS (L. S. T.)

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 62/ 61 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 60/ 59 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 58/ 57 | | .4 | | | | | | | | | | | | | | | | 4 | 4 | 2 | | | | | | | | | | | | | | | |
| 56/ 55 | | .4 | .3 | | | | | | | | | | | | | | | 9 | 9 | 5 | 1 | | | | | | | | | | | | | | |
| 54/ 53 | | .6 | .6 | .3 | | | | | | | | | | | | | | 13 | 13 | 4 | 8 | | | | | | | | | | | | | | |
| 52/ 51 | .1 | .2 | .7 | | | | | | | | | | | | | | | 9 | 9 | 12 | 4 | | | | | | | | | | | | | | |
| 50/ 49 | .1 | 2.0 | 1.0 | .2 | | | | | | | | | | | | | | 35 | 35 | 15 | 12 | | | | | | | | | | | | | | |
| 48/ 47 | .4 | 1.9 | .7 | .6 | | | | | | | | | | | | | | 32 | 32 | 32 | 18 | | | | | | | | | | | | | | |
| 46/ 45 | .7 | 4.7 | .3 | .4 | | | | | | | | | | | | | | 59 | 59 | 45 | 35 | | | | | | | | | | | | | | |
| 44/ 43 | .2 | 6.0 | 1.1 | .2 | | | | | | | | | | | | | | 68 | 68 | 68 | 42 | | | | | | | | | | | | | | |
| 42/ 41 | .4 | 11.9 | 1.9 | | | | | | | | | | | | | | | 128 | 128 | 71 | 67 | | | | | | | | | | | | | | |
| 40/ 39 | .4 | 10.3 | .3 | | | | | | | | | | | | | | | 104 | 104 | 114 | 86 | | | | | | | | | | | | | | |
| 38/ 37 | 1.0 | 11.4 | .7 | | | | | | | | | | | | | | | 123 | 123 | 124 | 106 | | | | | | | | | | | | | | |
| 36/ 35 | .3 | 8.7 | 1.1 | | | | | | | | | | | | | | | 95 | 95 | 114 | 129 | | | | | | | | | | | | | | |
| 34/ 33 | 1.3 | 3.6 | .6 | | | | | | | | | | | | | | | 49 | 49 | 89 | 96 | | | | | | | | | | | | | | |
| 32/ 31 | 1.3 | 4.8 | | | | | | | | | | | | | | | | 55 | 55 | 69 | 90 | | | | | | | | | | | | | | |
| 30/ 29 | 1.1 | 4.1 | .1 | | | | | | | | | | | | | | | 48 | 48 | 53 | 53 | | | | | | | | | | | | | | |
| 28/ 27 | 1.3 | 2.3 | .1 | | | | | | | | | | | | | | | 34 | 34 | 42 | 54 | | | | | | | | | | | | | | |
| 26/ 25 | .7 | .9 | | | | | | | | | | | | | | | | 14 | 14 | 17 | 30 | | | | | | | | | | | | | | |
| 24/ 23 | .2 | 1.1 | .1 | | | | | | | | | | | | | | | 13 | 13 | 13 | 38 | | | | | | | | | | | | | | |
| 22/ 21 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 6 | | | | | | | | | | | | | | |
| 20/ 19 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 3 | 13 | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 3 | 6 | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | 11.0 | 76.0 | 11.2 | 1.8 | | | | | | | | | | | | | | | 900 | 900 | 900 | | | | | | | | | | | | | | |
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USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

1125
MAY 1954

PAGE 1 0300-0500
HOURS L.S.T.

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

9-7.

YEARS

16V
MONTH

PAGE 1

0600-0800
HO-BS S. T. J.

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 60/ 59 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 58/ 57 | | .1 | .2 | .4 | | | | | | | | | | | | | | 7 | 7 | 3 | | | | | | | | | | | | | | | |
| 56/ 55 | | .3 | .4 | | | | | | | | | | | | | | | 7 | 7 | 1 | 3 | | | | | | | | | | | | | | |
| 54/ 53 | | .2 | .9 | .1 | | | | | | | | | | | | | | 11 | 11 | 5 | 2 | | | | | | | | | | | | | | |
| 52/ 51 | | .3 | .4 | | | | | | | | | | | | | | | 7 | 7 | 12 | 3 | | | | | | | | | | | | | | |
| 50/ 49 | .3 | 1.7 | .9 | | | | | | | | | | | | | | | 26 | 26 | 18 | 15 | | | | | | | | | | | | | | |
| 48/ 47 | .1 | 2.6 | .4 | .3 | | | | | | | | | | | | | | 31 | 31 | 26 | 16 | | | | | | | | | | | | | | |
| 46/ 45 | .6 | 7.0 | | .2 | | | | | | | | | | | | | | 70 | 70 | 47 | 35 | | | | | | | | | | | | | | |
| 44/ 43 | .3 | 5.1 | .7 | | | | | | | | | | | | | | | 55 | 55 | 79 | 63 | | | | | | | | | | | | | | |
| 42/ 41 | .2 | 10.1 | 1.2 | | | | | | | | | | | | | | | 104 | 104 | 47 | 58 | | | | | | | | | | | | | | |
| 40/ 39 | .9 | 8.8 | .2 | | | | | | | | | | | | | | | 89 | 89 | 91 | 70 | | | | | | | | | | | | | | |
| 38/ 37 | 1.7 | 9.0 | .6 | | | | | | | | | | | | | | | 103 | 103 | 113 | 92 | | | | | | | | | | | | | | |
| 36/ 35 | 2.2 | 10.6 | .8 | | | | | | | | | | | | | | | 122 | 122 | 116 | 113 | | | | | | | | | | | | | | |
| 34/ 33 | 2.7 | 4.8 | .2 | | | | | | | | | | | | | | | 69 | 69 | 113 | 104 | | | | | | | | | | | | | | |
| 32/ 31 | .8 | 5.1 | .2 | | | | | | | | | | | | | | | 55 | 55 | 59 | 85 | | | | | | | | | | | | | | |
| 30/ 29 | 1.2 | 4.9 | .1 | | | | | | | | | | | | | | | 56 | 56 | 66 | 66 | | | | | | | | | | | | | | |
| 28/ 27 | 1.3 | 2.1 | | | | | | | | | | | | | | | | 31 | 31 | 43 | 59 | | | | | | | | | | | | | | |
| 26/ 25 | 1.6 | 1.1 | | | | | | | | | | | | | | | | 19 | 19 | 21 | 28 | | | | | | | | | | | | | | |
| 24/ 23 | .6 | 1.1 | | | | | | | | | | | | | | | | 17 | 17 | 16 | 42 | | | | | | | | | | | | | | |
| 22/ 21 | | 1.3 | | | | | | | | | | | | | | | | 12 | 12 | 8 | 14 | | | | | | | | | | | | | | |
| 20/ 19 | | .7 | | | | | | | | | | | | | | | | 6 | 6 | 11 | 10 | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 4 | 9 | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | 14.1 | 77.2 | 7.6 | 1.1 | | | | | | | | | | | | | | | 899 | 899 | 699 | | | | | | | | | | | | | | |

| Element (X) | Σx^1 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 7051937 | 79389 | 88.3 | 6.777 | 899 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 85 F | ≤ 93 F | |
| Dry Bulb | 1333465 | 34015 | 37.8 | 7.192 | 899 | | 19.6 | | | | | 90 |
| Wet Bulb | 1241384 | 32830 | 36.5 | 6.878 | 899 | | 22.8 | | | | | 90 |
| Dew Point | 1122941 | 31173 | 34.7 | 7.312 | 899 | | 32.5 | | | | | 90 |

PSYCHROMETRIC SUMMARY

2-7.

YEARS

$$M \hat{=} \overline{M \hat{=} V}$$

PAGE 1 0960-1100
NO. 85-3

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | |
| 60/ 59 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | |
| 58/ 57 | | .1 | | | .1 | | | | | | | | | | | | | 2 | 2 | | 3 | | | | | | | | | | | | | |
| 56/ 55 | | .4 | .3 | .1 | | | | | | | | | | | | | | 12 | 12 | | | 3 | | | | | | | | | | | | |
| 54/ 53 | | .4 | 1.1 | .2 | | | | | | | | | | | | | | 16 | 16 | | 6 | 2 | | | | | | | | | | | | |
| 52/ 51 | .1 | .9 | .4 | .1 | | | | | | | | | | | | | | 14 | 14 | 15 | | 5 | | | | | | | | | | | | |
| 50/ 49 | .1 | 2.1 | 1.7 | .2 | | | | | | | | | | | | | | 37 | 37 | 21 | | 16 | | | | | | | | | | | | |
| 48/ 47 | .2 | 4.4 | 1.7 | .2 | | | | | | | | | | | | | | 59 | 59 | 34 | | 20 | | | | | | | | | | | | |
| 46/ 45 | .8 | 5.4 | .9 | .2 | | | | | | | | | | | | | | 86 | 66 | 52 | | 53 | | | | | | | | | | | | |
| 44/ 43 | .4 | 7.0 | .9 | .1 | | | | | | | | | | | | | | 76 | 76 | 73 | | 54 | | | | | | | | | | | | |
| 42/ 41 | .2 | 8.7 | .8 | | | | | | | | | | | | | | | 87 | 87 | 86 | | 66 | | | | | | | | | | | | |
| 40/ 39 | 1.3 | 10.1 | 2.0 | | | | | | | | | | | | | | | 121 | 121 | 117 | | 92 | | | | | | | | | | | | |
| 38/ 37 | 2.6 | 7.8 | 1.3 | | | | | | | | | | | | | | | 98 | 98 | 109 | | 115 | | | | | | | | | | | | |
| 36/ 35 | 2.6 | 7.9 | 1.2 | .1 | | | | | | | | | | | | | | 106 | 106 | 102 | | 109 | | | | | | | | | | | | |
| 34/ 33 | .7 | 4.0 | .9 | | | | | | | | | | | | | | | 52 | 52 | 84 | | 89 | | | | | | | | | | | | |
| 32/ 31 | 1.8 | 4.8 | .4 | | | | | | | | | | | | | | | 63 | 63 | 60 | | 88 | | | | | | | | | | | | |
| 30/ 29 | 1.1 | 2.6 | .1 | | | | | | | | | | | | | | | 34 | 34 | 57 | | 61 | | | | | | | | | | | | |
| 28/ 27 | .9 | 1.3 | .2 | | | | | | | | | | | | | | | 22 | 22 | 25 | | 43 | | | | | | | | | | | | |
| 26/ 25 | .8 | 1.1 | | | | | | | | | | | | | | | | 15 | 15 | 20 | | 20 | | | | | | | | | | | | |
| 24/ 23 | .2 | .9 | .1 | | | | | | | | | | | | | | | 11 | 11 | 16 | | 24 | | | | | | | | | | | | |
| 22/ 21 | | .4 | | | | | | | | | | | | | | | | 4 | 4 | 6 | | 18 | | | | | | | | | | | | |
| 20/ 19 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | 4 | | 9 | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 | 6 | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| TOTAL | 13,270.8 | 14.6 | 1.3 | .1 | | | | | | | | | | | | | | 900 | | 900 | | 900 | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
| Rel. Hum. | 688402 | 78422 | 87.1 | 7.876 | 900 | $\leq 0^\circ\text{F}$ | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ | |
| Dry Bulb | 1434520 | 35382 | 39.3 | 6.959 | 900 | | 15.2 | | | | | 90 |
| Wet Bulb | 1324571 | 34011 | 37.8 | 6.611 | 900 | | 18.2 | | | | | 90 |
| Dew Point | 1194111 | 32177 | 35.8 | 7.052 | 900 | | 27.6 | | | | | 90 |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (01. A)

USAFETAC

34047 BITB JRC DE GERMANY
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• 425

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USAFETAC FORM 0.26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MAY 64

3404- BITBURG AS GERMANY
STATEN STATEN NAME

LEADS

4-23 5 5

| USAFETAC | FORM
MIL 64 | 0 26.5 (CL. A) | REVIEW - EXERCISE METHODS OF THIS FORM ARE OBSOLETE |
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3404. BITBURG AG. GER. ANY
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USAFETAC 0-26.5 (OL A) *CHRM
FBI 66 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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REFERENCES

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Page : 411

2000

| WET BULB TEMPERATURE DEPRESSION (F.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|--------------------------------------|--------|-------|-----|----|----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|-----------|----------|----------|---------|
| Temp
F | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Pt. |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 60/ 59 | | | | .1 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 9 | | |
| 58/ 57 | | | .3 | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | 49 | 15 | |
| 56/ 55 | | | .4 | .7 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | 23 | |
| 54/ 53 | | | .5 | .7 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 146 | 146 | 37 | |
| 52/ 51 | .1 | .4 | 1.0 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | 122 | |
| 50/ 49 | .1 | 7.1 | 1.0 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 331 | 331 | 100 | |
| 48/ 47 | .2 | 3.1 | 1.0 | .3 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 377 | 377 | 312 | |
| 46/ 45 | .0 | 5.7 | 1.3 | .0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 584 | 584 | 422 | |
| 44/ 43 | .5 | 6.4 | 1.7 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 544 | 544 | 650 | |
| 42/ 41 | .4 | 4.2 | 2.1 | .2 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 602 | 602 | 677 | |
| 40/ 39 | .0 | 6.3 | 1.7 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 614 | 614 | 845 | |
| 38/ 37 | 1.5 | 8.9 | 1.4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 657 | 657 | 958 | |
| 36/ 35 | 1.4 | 7.1 | 1.6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 733 | 733 | 916 | |
| 34/ 33 | 1.2 | 3.7 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 411 | 411 | 670 | |
| 32/ 31 | 1.3 | 4.7 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 474 | 474 | 452 | |
| 30/ 29 | .0 | 3.2 | .2 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 307 | 307 | 440 | |
| 28/ 27 | .0 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 173 | 173 | 243 | |
| 26/ 25 | .4 | .7 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 83 | 53 | 117 | |
| 24/ 23 | .2 | .7 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 65 | 64 | 60 | |
| 22/ 21 | .0 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 35 | |
| 20/ 19 | .0 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 29 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 10.567 | 718.0 | 3.3 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7193 | 7193 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7193 | 7193 | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Ref. Hum | 53049180 | 614366 | 35.4 | 8.943 | 7193 | : 5 F | : 32 F | : 47 F | : 73 F | : 80 F | : 93 F | |
| Dry Bulb | 11677051 | 285451 | 39.7 | 4.967 | 7193 | | 115.0 | | | | | 720 |
| Wet Bulb | 10656802 | 272316 | 37.9 | 6.359 | 7193 | | 145.0 | | | | | 720 |
| Dew Point | 9458598 | 255352 | 35.6 | 7.056 | 7193 | | 27.6 | | | | | 720 |

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0000-0200
HOURS L. S. T. 1

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)
JUL 64

PSYCHROMETRIC SUMMARY

YEARS

4547

HOURS - \$ -

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

8-77

DEC

STATION

STATIC, NAME

YEARS

MONTH

PAGE 1

0600-0300

HOURS (S. T.)

[illegible]USAFETAC FORM 0.26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

3-77

DEC

PAGE 1 0900-1100
HOURS 5-7

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 58/ 57 | | | .2 | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 56/ 55 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 52/ 51 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | 2 | | | | | | | | | | | | | | |
| 50/ 49 | | 1.2 | .2 | .1 | | | | | | | | | | | | | | 14 | 14 | 6 | 5 | | | | | | | | | | | | | | |
| 48/ 47 | | 1.4 | | | | | | | | | | | | | | | | 13 | 13 | 8 | 5 | | | | | | | | | | | | | | |
| 46/ 45 | .2 | 2.4 | .3 | | | | | | | | | | | | | | | 27 | 27 | 18 | 12 | | | | | | | | | | | | | | |
| 44/ 43 | .3 | 4.4 | .4 | .1 | | | | | | | | | | | | | | 49 | 49 | 28 | 19 | | | | | | | | | | | | | | |
| 42/ 41 | .2 | 5.1 | .5 | | | | | | | | | | | | | | | 54 | 54 | 34 | 23 | | | | | | | | | | | | | | |
| 40/ 39 | .1 | 5.4 | .4 | | | | | | | | | | | | | | | 55 | 55 | 32 | 47 | | | | | | | | | | | | | | |
| 38/ 37 | .4 | 5.6 | 1.1 | | | | | | | | | | | | | | | 66 | 66 | 36 | 51 | | | | | | | | | | | | | | |
| 36/ 35 | 1.9 | 6.5 | 1.8 | .1 | | | | | | | | | | | | | | 96 | 96 | 80 | 87 | | | | | | | | | | | | | | |
| 34/ 33 | 2.5 | 8.8 | 1.8 | | | | | | | | | | | | | | | 122 | 122 | 126 | 71 | | | | | | | | | | | | | | |
| 32/ 31 | 3.4 | 9.9 | 1.2 | | | | | | | | | | | | | | | 135 | 135 | 128 | 131 | | | | | | | | | | | | | | |
| 30/ 29 | 1.3 | 5.2 | .3 | | | | | | | | | | | | | | | 63 | 63 | 95 | 100 | | | | | | | | | | | | | | |
| 28/ 27 | 1.7 | 3.3 | | .1 | | | | | | | | | | | | | | 43 | 48 | 55 | 73 | | | | | | | | | | | | | | |
| 26/ 25 | 2.6 | 3.0 | | | | | | | | | | | | | | | | 52 | 52 | 60 | 60 | | | | | | | | | | | | | | |
| 24/ 23 | .8 | 4.5 | .1 | | | | | | | | | | | | | | | 50 | 50 | 41 | 65 | | | | | | | | | | | | | | |
| 22/ 21 | 1.0 | 1.1 | .1 | | | | | | | | | | | | | | | 20 | 20 | 40 | 42 | | | | | | | | | | | | | | |
| 20/ 19 | 1.0 | 1.6 | | | | | | | | | | | | | | | | 24 | 24 | 24 | 46 | | | | | | | | | | | | | | |
| 18/ 17 | .1 | 1.1 | | | | | | | | | | | | | | | | 11 | 11 | 13 | 27 | | | | | | | | | | | | | | |
| 16/ 15 | .6 | .5 | | | | | | | | | | | | | | | | 11 | 11 | 15 | 12 | | | | | | | | | | | | | | |
| 14/ 13 | .2 | .4 | | | | | | | | | | | | | | | | 6 | 6 | 7 | 14 | | | | | | | | | | | | | | |
| 12/ 11 | | .4 | | | | | | | | | | | | | | | | 4 | 4 | 2 | 14 | | | | | | | | | | | | | | |
| 10/ 9 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 9 | | | | | | | | | | | | | | |
| 8/ 7 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 | | | | | | | | | | | | | | |
| 6/ 5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 8 | | | | | | | | | | | | | | |
| 4/ 3 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| TOTAL | 18.97 | 1.9 | 8.7 | .4 | | | | | | | | | | | | | | | 929 | 929 | | 929 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 929 | | 929 | | | | | | | | | | | | | | | |

| Element (X) | Σ x ² | Σ x | \bar{x} | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|------------------|-------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Ref. Hum. | 6953615 | 80265 | 86.4 | 7.958 | 929 | | | | | | | |
| Dry Bulb | 1069298 | 30666 | 33.0 | 7.839 | 929 | | 42.9 | | | | | 93 |
| Wet Bulb | 98786 | 29502 | 31.8 | 7.550 | 929 | | 48.9 | | | | | 93 |
| Dew Point | 863985 | 27251 | 29.3 | 8.344 | 929 | | 60.8 | | | | | 93 |

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MIL 64

PSYCHROMETRIC SUMMARY

74C

400 RS 5 5

| Temp
t _F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|------------------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 58/ 57 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 52/ 51 | | .1 | .4 | | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 50/ 49 | | 1.0 | .4 | | | | | | | | | | | | | | | 13 | 13 | 6 | 3 | | | | | | | | | | | | | | |
| 48/ 47 | | 1.0 | .5 | .1 | | | | | | | | | | | | | | 21 | 21 | 11 | 6 | | | | | | | | | | | | | | |
| 46/ 45 | | 2.9 | .9 | .2 | | | | | | | | | | | | | | 37 | 37 | 23 | 14 | | | | | | | | | | | | | | |
| 44/ 43 | .2 | 3.8 | 1.0 | .1 | | | | | | | | | | | | | | 47 | 47 | 36 | 24 | | | | | | | | | | | | | | |
| 42/ 41 | .3 | 6.7 | 1.9 | .3 | | | | | | | | | | | | | | 67 | 62 | 65 | 32 | | | | | | | | | | | | | | |
| 40/ 39 | .1 | 5.1 | 2.4 | | | | | | | | | | | | | | | 70 | 70 | 51 | 53 | | | | | | | | | | | | | | |
| 38/ 37 | .5 | 5.5 | 3.5 | | | | | | | | | | | | | | | 88 | 88 | 75 | 58 | | | | | | | | | | | | | | |
| 36/ 35 | 1.5 | 6.5 | 2.5 | .2 | .1 | | | | | | | | | | | | | 119 | 119 | 93 | 77 | | | | | | | | | | | | | | |
| 34/ 33 | 2.5 | 7.0 | 3.0 | .1 | | | | | | | | | | | | | | 126 | 126 | 146 | 70 | | | | | | | | | | | | | | |
| 32/ 31 | 1.4 | 5.4 | 1.0 | .1 | .1 | | | | | | | | | | | | | 74 | 74 | 120 | 120 | | | | | | | | | | | | | | |
| 30/ 29 | .5 | 4.9 | .9 | .1 | | | | | | | | | | | | | | 62 | 62 | 77 | 103 | | | | | | | | | | | | | | |
| 28/ 27 | 1.0 | 3.5 | .5 | .3 | | | | | | | | | | | | | | 58 | 58 | 61 | 81 | | | | | | | | | | | | | | |
| 26/ 25 | 1.0 | 2.9 | .2 | | | | | | | | | | | | | | | 44 | 44 | 53 | 67 | | | | | | | | | | | | | | |
| 24/ 23 | .5 | 3.4 | .4 | | | | | | | | | | | | | | | 43 | 43 | 42 | 69 | | | | | | | | | | | | | | |
| 22/ 21 | .5 | .9 | .2 | | | | | | | | | | | | | | | 16 | 16 | 27 | 49 | | | | | | | | | | | | | | |
| 20/ 19 | .2 | .6 | | | | | | | | | | | | | | | | 8 | 8 | 14 | 34 | | | | | | | | | | | | | | |
| 18/ 17 | .2 | .5 | | | | | | | | | | | | | | | | 8 | 8 | 12 | 18 | | | | | | | | | | | | | | |
| 16/ 15 | .2 | .2 | | | | | | | | | | | | | | | | 4 | 4 | 5 | 20 | | | | | | | | | | | | | | |
| 14/ 13 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 4 | 8 | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | |
| 10/ 9 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 9 | | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | 12.064 | 6.670 | .9 | 1.7 | .2 | | | | | | | | | | | | | 930 | 930 | 930 | 930 | | | | | | | | | | | | | | |

| Element (X) | Σx ² | Σx | x̄ | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-----------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 6° F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum | 6523088 | 77332 | 83.2 | 9.991 | 930 | | | | | | | |
| Dry Bulb | 1167081 | 32273 | 34.7 | 7.123 | 930 | | 32.0 | | | | | 93 |
| Wet Bulb | 1055119 | 30671 | 33.0 | 6.851 | 930 | | 42.2 | | | | | 93 |
| Dew Point | 892322 | 27862 | 30.0 | 7.874 | 930 | | 59.3 | | | | | 93 |

USAFETAC FORM 0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

. 2-77

130

57

STATION NAME

YEARS

MCN14

PAGE 1 1500-1700

MO/RS 5 3

| Temp
°F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 2-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 56/ 55 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 52/ 51 | | | .1 | .5 | | | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 50/ 49 | .1 | 1.0 | .5 | | | | | | | | | | | | | | | 17 | 17 | | 3 | 2 | | | | | | | | | | | | | |
| 48/ 47 | | 2.0 | .5 | | | | | | | | | | | | | | | 26 | 26 | | 9 | 7 | | | | | | | | | | | | | |
| 46/ 45 | .3 | 2.7 | 1.0 | .1 | | | | | | | | | | | | | | 38 | 38 | | 31 | 18 | | | | | | | | | | | | | |
| 44/ 43 | .4 | 4.0 | 1.3 | .1 | | | | | | | | | | | | | | 52 | 52 | | 42 | 29 | | | | | | | | | | | | | |
| 42/ 41 | .1 | 4.4 | 1.5 | .1 | .1 | | | | | | | | | | | | | 58 | 58 | | 57 | 18 | | | | | | | | | | | | | |
| 40/ 39 | | 4.5 | 3.0 | .1 | | | | | | | | | | | | | | 72 | 72 | | 55 | 58 | | | | | | | | | | | | | |
| 38/ 37 | .3 | 4.8 | 2.7 | .3 | | | | | | | | | | | | | | 76 | 76 | | 76 | 55 | | | | | | | | | | | | | |
| 36/ 35 | 1.5 | 8.6 | 4.3 | .2 | .1 | | | | | | | | | | | | | 137 | 137 | | 87 | 82 | | | | | | | | | | | | | |
| 34/ 33 | 1.5 | 7.0 | 2.9 | .1 | | | | | | | | | | | | | | 108 | 108 | | 155 | 76 | | | | | | | | | | | | | |
| 32/ 31 | 1.9 | 7.1 | 1.7 | .2 | .1 | | | | | | | | | | | | | 103 | 103 | | 100 | 130 | | | | | | | | | | | | | |
| 30/ 29 | 1.2 | 5.1 | 1.4 | .4 | | | | | | | | | | | | | | 75 | 75 | | 97 | 92 | | | | | | | | | | | | | |
| 28/ 27 | 1.5 | 2.8 | .4 | .1 | | | | | | | | | | | | | | 40 | 40 | | 63 | 89 | | | | | | | | | | | | | |
| 26/ 25 | 1.7 | 2.0 | .3 | | | | | | | | | | | | | | | 43 | 43 | | 58 | 69 | | | | | | | | | | | | | |
| 24/ 23 | .5 | 3.0 | .3 | .1 | | | | | | | | | | | | | | 39 | 39 | | 41 | 66 | | | | | | | | | | | | | |
| 22/ 21 | .1 | .5 | .1 | | | | | | | | | | | | | | | 7 | 7 | | 27 | 29 | | | | | | | | | | | | | |
| 20/ 19 | .1 | 1.3 | | | | | | | | | | | | | | | | 13 | 13 | | 16 | 32 | | | | | | | | | | | | | |
| 18/ 17 | .1 | .3 | | | | | | | | | | | | | | | | 4 | 4 | | 10 | 16 | | | | | | | | | | | | | |
| 16/ 15 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | | 3 | 31 | | | | | | | | | | | | | |
| 14/ 13 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | | 11 | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 | 10 | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| TOTAL | 11.463 | 222.8 | 2.3 | .3 | | | | | | | | | | | | | | | 929 | | 929 | 929 | | | | | | | | | | | | | |

| Element (X) | Σx² | Σx | X̄ | sₓ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|---------|-------|-------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | |
| Res. Hum. | 6422580 | 76656 | 82.51 | 6.983 | 929 | | | | | | | |
| Dry Bulb | 1167128 | 32570 | 35.1 | 6.983 | 929 | | 32.8 | | | | | 93 |
| Wet Bulb | 1069031 | 30883 | 33.2 | 6.758 | 929 | | 40.8 | | | | | 93 |
| Dew Point | 900095 | 27979 | 30.1 | 7.868 | 929 | | 58.5 | | | | | 93 |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26 5 (01 A)

USAFETAC
FORM
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GLOBAL CLIMATOLOGY STATION
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PSYCHROMETRIC SUMMARY

34049 BITBURG AB GERMANY
STATION

R-77

YEARS

EC

MONTH

PAGE 1

1830-2000
HOURS U.S.T.

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | |
|-------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|------|----------|----------|-----------|-----|-----|--|--|--|--|--|--|--|-------|--|-------|--|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | *31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | .2 | | | | | | | | | | | | | | 7 | | 2 | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | .1 | .3 | | | | | | | | | | | | | | | 4 | | 4 | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | .5 | .2 | | | | | | | | | | | | | | | 7 | | 7 | | 2 | | | | | | | | | | | | | | | | |
| 48/ 47 | | 1.0 | .1 | | | | | | | | | | | | | | | 16 | | 16 | | 16 | 4 | | | | | | | | | | | | | | | |
| 46/ 45 | .1 | 2.2 | .5 | | | | | | | | | | | | | | | 26 | | 26 | | 19 | 19 | | | | | | | | | | | | | | | |
| 44/ 43 | .5 | 3.4 | .9 | .1 | | | | | | | | | | | | | | 46 | | 46 | | 26 | 23 | | | | | | | | | | | | | | | |
| 42/ 41 | | 6.0 | 1.0 | | | | | | | | | | | | | | | 55 | | 65 | | 38 | 16 | | | | | | | | | | | | | | | |
| 40/ 39 | | 5.6 | 1.5 | | | | | | | | | | | | | | | 56 | | 66 | | 62 | 43 | | | | | | | | | | | | | | | |
| 38/ 37 | .4 | 6.0 | 1.1 | .1 | | | | | | | | | | | | | | 71 | | 71 | | 74 | 59 | | | | | | | | | | | | | | | |
| 36/ 35 | 1.5 | 7.2 | 4.0 | .2 | | | | | | | | | | | | | | 120 | | 120 | | 61 | 75 | | | | | | | | | | | | | | | |
| 34/ 33 | 2.3 | 8.3 | 1.8 | | | | | | | | | | | | | | | 115 | | 115 | | 116 | 85 | | | | | | | | | | | | | | | |
| 32/ 31 | 1.2 | 7.5 | 1.2 | | | | | | | | | | | | | | | 87 | | 87 | | 125 | 84 | | | | | | | | | | | | | | | |
| 30/ 29 | .9 | 8.0 | .4 | | | | | | | | | | | | | | | 86 | | 86 | | 138 | 100 | | | | | | | | | | | | | | | |
| 28/ 27 | .7 | 4.5 | .4 | .1 | | | | | | | | | | | | | | 55 | | 55 | | 64 | 92 | | | | | | | | | | | | | | | |
| 26/ 25 | 1.5 | 3.3 | .3 | | | | | | | | | | | | | | | 48 | | 48 | | 60 | 79 | | | | | | | | | | | | | | | |
| 24/ 23 | 1.5 | 5.4 | .5 | .1 | | | | | | | | | | | | | | 65 | | 65 | | 46 | 60 | | | | | | | | | | | | | | | |
| 22/ 21 | .3 | 1.5 | .1 | | | | | | | | | | | | | | | 18 | | 18 | | 39 | 42 | | | | | | | | | | | | | | | |
| 20/ 19 | .1 | 1.9 | | | | | | | | | | | | | | | | 19 | | 19 | | 23 | 45 | | | | | | | | | | | | | | | |
| 18/ 17 | .1 | .5 | | | | | | | | | | | | | | | | 6 | | 6 | | 17 | 22 | | | | | | | | | | | | | | | |
| 16/ 15 | .2 | .1 | | | | | | | | | | | | | | | | 3 | | 3 | | 6 | 20 | | | | | | | | | | | | | | | |
| 14/ 13 | .1 | .2 | | | | | | | | | | | | | | | | 3 | | 3 | | 4 | 14 | | | | | | | | | | | | | | | |
| 12/ 11 | | .2 | | | | | | | | | | | | | | | | 2 | | 2 | | 2 | 11 | | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| TOTAL | 11.173 | 714.4 | .9 | | | | | | | | | | | | | | | | | | | | 930 | 930 | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26.5 (OLA) JUL 64

GLOBAL CLIMATELOGY SPAC:
USAFETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

3404: BITBURG AB GERMANY

R-71

REC

STATION NAME

YEARS

USAFETAC

PAGE 1

ALL

HOURS

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-------------------------------------|------------|-----------|------------|----------|------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------|-------|-----|------|------|----------|----------|-----------|------|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | *31 | D.B. | WB. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 58/ 57 | | | .0 | .0 | | | | | | | | | | | | | | 4 | | 4 | | | | | | | | | | | | | | | |
| 56/ 55 | | | .0 | .0 | | | | | | | | | | | | | | 3 | | 3 | | | | | | | | | | | | | | | |
| 54/ 53 | | .1 | | .1 | | | | | | | | | | | | | | 14 | | 14 | 7 | 1 | | | | | | | | | | | | | |
| 52/ 51 | | .1 | .2 | | | | | | | | | | | | | | | 23 | | 23 | 9 | 7 | | | | | | | | | | | | | |
| 50/ 49 | .1 | .9 | .0 | .0 | | | | | | | | | | | | | | 90 | | 90 | 36 | 22 | | | | | | | | | | | | | |
| 48/ 47 | .1 | 1.4 | .0 | .0 | | | | | | | | | | | | | | 137 | | 137 | 37 | 47 | | | | | | | | | | | | | |
| 46/ 45 | .2 | 2.6 | .0 | .0 | .0 | | | | | | | | | | | | | 254 | | 256 | 175 | 124 | | | | | | | | | | | | | |
| 44/ 43 | .4 | 3.9 | .7 | .1 | | | | | | | | | | | | | | 369 | | 369 | 259 | 163 | | | | | | | | | | | | | |
| 42/ 41 | .5 | 5.1 | .9 | .1 | .0 | | | | | | | | | | | | | 474 | | 474 | 334 | 207 | | | | | | | | | | | | | |
| 40/ 39 | .3 | 5.0 | 1.3 | .0 | | | | | | | | | | | | | | 438 | | 438 | 435 | 365 | | | | | | | | | | | | | |
| 38/ 37 | .4 | 5.2 | 1.6 | .1 | | | | | | | | | | | | | | 554 | | 554 | 527 | 452 | | | | | | | | | | | | | |
| 36/ 35 | 1.2 | 6.4 | 2.4 | .1 | .0 | | | | | | | | | | | | | 923 | | 923 | 642 | 602 | | | | | | | | | | | | | |
| 34/ 33 | 2.7 | 7.7 | 2.1 | .0 | | | | | | | | | | | | | | 874 | | 874 | 1056 | 598 | | | | | | | | | | | | | |
| 32/ 31 | 2.1 | 8.3 | 1.3 | .0 | .0 | | | | | | | | | | | | | 867 | | 867 | 924 | 680 | | | | | | | | | | | | | |
| 30/ 29 | 1.3 | 5.0 | .0 | .1 | | | | | | | | | | | | | | 560 | | 560 | 793 | 789 | | | | | | | | | | | | | |
| 28/ 27 | 1.7 | 3.0 | .0 | .1 | | | | | | | | | | | | | | 425 | | 425 | 479 | 669 | | | | | | | | | | | | | |
| 26/ 25 | 1.9 | 3.5 | .1 | .1 | | | | | | | | | | | | | | 414 | | 414 | 459 | 548 | | | | | | | | | | | | | |
| 24/ 23 | 1.1 | 4.5 | .3 | .1 | | | | | | | | | | | | | | 440 | | 440 | 362 | 570 | | | | | | | | | | | | | |
| 22/ 21 | .0 | 1.2 | .1 | | | | | | | | | | | | | | | 140 | | 140 | 292 | 520 | | | | | | | | | | | | | |
| 20/ 19 | .0 | 1.4 | | | | | | | | | | | | | | | | 150 | | 150 | 184 | 540 | | | | | | | | | | | | | |
| 18/ 17 | .3 | .0 | | | | | | | | | | | | | | | | 78 | | 78 | 121 | 219 | | | | | | | | | | | | | |
| 16/ 15 | .3 | .5 | | | | | | | | | | | | | | | | 62 | | 62 | 66 | 148 | | | | | | | | | | | | | |
| 14/ 13 | .2 | .4 | | | | | | | | | | | | | | | | 43 | | 43 | 53 | 98 | | | | | | | | | | | | | |
| 12/ 11 | .0 | .3 | | | | | | | | | | | | | | | | 22 | | 22 | 27 | 84 | | | | | | | | | | | | | |
| 10/ 9 | .2 | .0 | | | | | | | | | | | | | | | | 17 | | 17 | 22 | 77 | | | | | | | | | | | | | |
| 8/ 7 | .1 | .0 | | | | | | | | | | | | | | | | 7 | | 7 | 8 | 48 | | | | | | | | | | | | | |
| 6/ 5 | .0 | | | | | | | | | | | | | | | | | 2 | | 2 | 3 | 39 | | | | | | | | | | | | | |
| 4/ 3 | .0 | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | 6 | | | | | | | | | | | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| TOTAL | 15.470 | 513.2 | .8 | .1 | | | | | | | | | | | | | | | 7437 | | 7437 | | 7437 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 7437 | | 7437 | | | | | | | | | | | | | | |
| Element (X) | $\Sigma x'$ | Σx | \bar{x} | σ^2 | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | |
| Rel Hum. | 54374054 | 632474 | 85.0 | 8.876 | 7437 | | $\leq 0 F$ | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ | 744 | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 8738932 | 248552 | 33.4 | 7.623 | 7437 | | | 322.9 | | | | | 744 | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 8012804 | 237908 | 32.0 | 7.354 | 7437 | | | 381.6 | | | | | 744 | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 6897433 | 218007 | 29.3 | 8.256 | 7437 | | | .1 485.1 | | | | | 744 | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (O1 A) JUL 64 REVISIT PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

ALL
4047
ALL
4045 5.5

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

PAGE 2

$$\begin{array}{r} \Delta L L \\ - 0.05 = 5.0 \\ \hline \Delta L L \\ - 0.05 = 5.0 \end{array}$$

| Temp | | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | |
|-------|----|-------------------------------------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|------|------|----------|----------|-----------|
| F | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 31 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 26 | 25 | .4 | 1.0 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1255 | 1255 | 1590 | 30.54 | |
| 24 | 23 | .2 | 1.0 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1131 | 1131 | 1156 | 20.95 | |
| 22 | 21 | .1 | .3 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 444 | 444 | 640 | 15.11 | |
| 20 | 19 | .1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 402 | 422 | 477 | 13.71 | |
| 18 | 17 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 211 | 211 | 345 | 0.87 | |
| 16 | 15 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 104 | 184 | 208 | 0.73 | |
| 14 | 13 | .0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 127 | 122 | 152 | 4.09 | |
| 12 | 11 | .0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 92 | 92 | 106 | 0.37 | |
| 10 | 9 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 74 | 2.75 | |
| 8 | 7 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 21 | 1.80 | |
| 6 | 5 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 8 | 1.14 | |
| 4 | 3 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1.16 | |
| 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| -2 | -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | | 0.542 | 0.872 | 0.910 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 86639 | 86639 | 86639 | 86639 | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Ref. Hum. | 527315982 | 6624250 | 76.515 | 5.09 | 86639 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 206875169 | 4075671 | 47.013 | 2.23 | 86640 | | 1185.4 | 666.5 | 254.3 | 62.6 | .2 | 8760 |
| Wet Bulb | 172978088 | 3750442 | 43.311 | 0.76 | 86639 | | 1563.2 | 33.1 | | | | 8760 |
| Dew Point | 144686298 | 3406016 | 39.311 | 1.58 | 86639 | .125 | 11.4 | 1.4 | | | | 8760 |

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34049 BITBURG AB GERMANY

2-70

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | | | | | | | | | | | |
|-----------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|--|--|
| WPS. 1.5" | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | | | | | | | | | | | |
| 00-02 | MEAN | 32.5 | 32.7 | 36.2 | 40.9 | 42.7 | 44.0 | 57.7 | 57.5 | 52.0 | 44.7 | 32.7 | 32.9 | 44.0 | | | | | | | | | | | |
| | S D | 6.269 | 6.955 | 7.541 | 6.745 | 5.578 | 6.163 | 5.594 | 4.935 | 5.615 | 6.344 | 6.847 | 7.817 | 11.268 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 846 | 930 | 813 | 836 | 813 | 917 | 913 | 895 | 925 | 900 | 929 | 10644 | | | | | | | | | | | |
| 03-05 | MEAN | 32.5 | 32.3 | 35.3 | 39.5 | 46.0 | 52.1 | 55.8 | 55.8 | 50.6 | 43.2 | 32.4 | 32.8 | 43.0 | | | | | | | | | | | |
| | S D | 7.161 | 7.166 | 7.98 | 6.465 | 5.612 | 6.013 | 5.297 | 4.960 | 5.654 | 5.524 | 6.934 | 7.918 | 10.793 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 930 | 840 | 869 | 839 | 921 | 914 | 897 | 932 | 900 | 930 | 10746 | | | | | | | | | | | |
| 06-08 | MEAN | 34.1 | 31.7 | 34.5 | 39.6 | 48.5 | 54.0 | 57.1 | 56.3 | 50.0 | 43.0 | 37.8 | 32.2 | 43.2 | | | | | | | | | | | |
| | S D | 7.332 | 7.120 | 7.747 | 6.356 | 5.891 | 6.186 | 5.612 | 5.105 | 5.665 | 6.401 | 7.192 | 8.119 | 11.374 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 929 | 900 | 921 | 915 | 895 | 930 | 899 | 930 | 10929 | | | | | | | | | | | |
| 09-11 | MEAN | 33.9 | 33.4 | 38.2 | 45.4 | 54.7 | 60.5 | 63.8 | 63.3 | 56.0 | 47.0 | 39.3 | 33.0 | 47.4 | | | | | | | | | | | |
| | S D | 7.249 | 6.872 | 7.698 | 7.440 | 6.783 | 7.412 | 7.268 | 6.355 | 6.078 | 6.508 | 6.959 | 7.839 | 13.410 | | | | | | | | | | | |
| | TOTAL OBS | 928 | 843 | 930 | 899 | 930 | 900 | 921 | 915 | 896 | 928 | 900 | 929 | 10919 | | | | | | | | | | | |
| 12-14 | MEAN | 35.6 | 36.3 | 42.5 | 49.3 | 58.5 | 64.0 | 67.9 | 67.9 | 60.9 | 51.7 | 41.6 | 34.7 | 50.9 | | | | | | | | | | | |
| | S D | 6.825 | 6.870 | 8.168 | 8.634 | 7.730 | 8.323 | 8.259 | 7.205 | 7.026 | 7.289 | 6.631 | 7.123 | 14.300 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 846 | 929 | 900 | 929 | 900 | 921 | 914 | 897 | 930 | 900 | 930 | 10925 | | | | | | | | | | | |
| 15-17 | MEAN | 36.4 | 37.8 | 44.3 | 50.9 | 60.0 | 65.2 | 69.3 | 69.3 | 62.3 | 52.8 | 42.2 | 35.1 | 52.2 | | | | | | | | | | | |
| | S D | 6.581 | 6.909 | 8.510 | 8.959 | 7.955 | 8.702 | 8.624 | 7.351 | 7.425 | 7.592 | 6.632 | 6.983 | 14.574 | | | | | | | | | | | |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 930 | 899 | 921 | 915 | 897 | 930 | 899 | 929 | 10926 | | | | | | | | | | | |
| 18-20 | MEAN | 34.8 | 35.2 | 40.9 | 47.6 | 56.8 | 62.4 | 66.4 | 65.5 | 57.9 | 48.6 | 40.1 | 33.5 | 49.2 | | | | | | | | | | | |
| | S D | 6.799 | 6.450 | 7.949 | 8.211 | 7.343 | 8.052 | 7.926 | 6.756 | 6.692 | 6.736 | 6.615 | 7.137 | 13.849 | | | | | | | | | | | |
| | TOTAL OBS | 928 | 846 | 930 | 899 | 929 | 900 | 919 | 911 | 896 | 930 | 898 | 930 | 10916 | | | | | | | | | | | |
| 21-23 | MEAN | 34.3 | 34.0 | 38.4 | 43.7 | 51.6 | 57.8 | 61.6 | 60.6 | 54.3 | 46.4 | 39.4 | 33.3 | 46.2 | | | | | | | | | | | |
| | S D | 6.723 | 6.515 | 7.438 | 7.261 | 6.074 | 6.760 | 6.364 | 5.335 | 5.823 | 6.313 | 6.729 | 7.540 | 12.179 | | | | | | | | | | | |
| | TOTAL OBS | 929 | 845 | 930 | 811 | 836 | 811 | 915 | 909 | 897 | 930 | 897 | 930 | 10639 | | | | | | | | | | | |
| ALL HOURS | MEAN | 34.4 | 34.2 | 38.8 | 44.7 | 53.3 | 58.9 | 62.4 | 62.0 | 55.5 | 47.2 | 39.7 | 33.4 | 47.0 | | | | | | | | | | | |
| | S D | 7.058 | 7.138 | 8.496 | 8.642 | 8.709 | 8.671 | 8.517 | 7.833 | 7.621 | 7.517 | 6.967 | 7.623 | 13.223 | | | | | | | | | | | |
| | TOTAL OBS | 7433 | 6764 | 7439 | 6961 | 7188 | 6959 | 7356 | 7304 | 7170 | 7434 | 7193 | 7437 | 86640 | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34049
STATION

BITBURG AB GERMANY

58-78

STATION NAME

YEARS

| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 00-02 | MEAN | 32.2 | 31.1 | 33.7 | 37.6 | 44.9 | 50.5 | 53.9 | 54.2 | 49.5 | 43.0 | 37.2 | 31.6 | 41.6 |
| | S.D. | 6.619 | 6.670 | 7.191 | 6.108 | 5.032 | 5.410 | 4.806 | 4.659 | 5.338 | 6.354 | 6.515 | 7.548 | 10.476 |
| | TOTAL OBS | 929 | 846 | 930 | 813 | 836 | 810 | 917 | 913 | 895 | 926 | 900 | 929 | 10644 |
| 03-05 | MEAN | 32.3 | 30.8 | 33.1 | 36.7 | 44.2 | 49.4 | 53.0 | 53.2 | 48.6 | 42.3 | 37.0 | 31.5 | 41.0 |
| | S.D. | 6.807 | 6.852 | 7.276 | 6.027 | 5.213 | 5.456 | 4.827 | 4.839 | 5.475 | 6.515 | 6.689 | 7.690 | 10.280 |
| | TOTAL OBS | 930 | 846 | 930 | 840 | 869 | 829 | 921 | 914 | 897 | 930 | 900 | 930 | 10746 |
| 06-08 | MEAN | 31.8 | 30.2 | 32.5 | 36.9 | 45.5 | 50.7 | 53.9 | 53.6 | 48.2 | 41.6 | 36.5 | 31.0 | 41.1 |
| | S.D. | 6.943 | 6.802 | 7.414 | 5.925 | 5.411 | 5.28 | 4.949 | 4.807 | 5.513 | 6.393 | 6.878 | 7.848 | 10.686 |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 929 | 900 | 921 | 915 | 895 | 930 | 899 | 930 | 10925 |
| 09-11 | MEAN | 32.5 | 31.7 | 35.3 | 40.7 | 49.3 | 54.2 | 57.6 | 57.6 | 52.3 | 44.8 | 37.8 | 31.8 | 43.8 |
| | S.D. | 6.877 | 6.539 | 7.118 | 6.092 | 5.469 | 5.367 | 5.306 | 4.437 | 5.169 | 6.199 | 6.611 | 7.550 | 11.463 |
| | TOTAL OBS | 928 | 843 | 930 | 899 | 920 | 900 | 921 | 914 | 896 | 928 | 900 | 929 | 10918 |
| 12-14 | MEAN | 33.8 | 33.7 | 37.7 | 42.4 | 50.6 | 55.2 | 58.6 | 58.9 | 54.3 | 47.4 | 39.3 | 33.0 | 45.4 |
| | S.D. | 6.400 | 6.293 | 6.950 | 5.306 | 5.541 | 5.408 | 5.323 | 4.471 | 5.359 | 6.240 | 6.206 | 6.851 | 11.261 |
| | TOTAL OBS | 929 | 846 | 929 | 920 | 929 | 900 | 921 | 914 | 897 | 930 | 900 | 930 | 10925 |
| 15-17 | MEAN | 34.4 | 34.7 | 38.6 | 43.1 | 51.2 | 55.8 | 59.1 | 59.3 | 54.7 | 48.0 | 39.7 | 33.2 | 46.0 |
| | S.D. | 6.226 | 6.182 | 6.896 | 6.191 | 5.436 | 5.199 | 5.099 | 4.356 | 5.335 | 6.471 | 6.216 | 6.758 | 11.165 |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 920 | 890 | 921 | 915 | 897 | 930 | 899 | 929 | 10926 |
| 18-20 | MEAN | 33.1 | 32.9 | 36.6 | 41.4 | 49.7 | 54.5 | 58.0 | 57.8 | 52.7 | 45.6 | 38.2 | 32.0 | 44.4 |
| | S.D. | 6.451 | 6.066 | 6.934 | 6.146 | 5.314 | 5.220 | 5.087 | 4.493 | 5.352 | 6.351 | 6.287 | 6.925 | 11.203 |
| | TOTAL OBS | 928 | 846 | 930 | 899 | 929 | 900 | 919 | 911 | 896 | 930 | 898 | 930 | 10916 |
| 21-23 | MEAN | 32.8 | 32.1 | 35.3 | 39.3 | 46.9 | 52.6 | 56.1 | 55.8 | 51.0 | 44.2 | 37.8 | 31.9 | 42.9 |
| | S.D. | 6.544 | 6.198 | 7.007 | 6.219 | 5.033 | 5.244 | 4.824 | 4.489 | 5.278 | 6.298 | 6.429 | 7.330 | 10.776 |
| | TOTAL OBS | 929 | 845 | 930 | 810 | 836 | 811 | 915 | 909 | 897 | 930 | 897 | 930 | 10639 |
| ALL HOURS | MEAN | 32.9 | 32.2 | 35.3 | 39.8 | 47.9 | 52.9 | 56.3 | 56.3 | 51.4 | 44.6 | 37.9 | 32.0 | 43.3 |
| | S.D. | 6.658 | 6.609 | 7.387 | 6.563 | 5.896 | 5.779 | 5.505 | 5.097 | 5.838 | 6.706 | 6.557 | 7.354 | 11.076 |
| | TOTAL OBS | 7433 | 6764 | 7439 | 6961 | 7188 | 6959 | 7356 | 7305 | 7176 | 7434 | 7193 | 7437 | 86639 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEF-POINT TEMPERATURES DEC F FROM HOURLY OBSERVATIONS

34049

BITBURG AB GERMANY

68-75

STATION

STATION NAME

YEARS

| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 00-02 | MEAN | 27.8 | 28.0 | 29.5 | 32.9 | 41.3 | 47.3 | 50.9 | 51.5 | 47.2 | 41.1 | 35.1 | 29.0 | 38.6 |
| | S.D. | 7.169 | 7.611 | 8.401 | 7.148 | 5.880 | 5.955 | 5.349 | 5.482 | 5.836 | 7.172 | 6.973 | 8.448 | 11.056 |
| | TOTAL OBS | 929 | 846 | 930 | 813 | 836 | 810 | 917 | 913 | 895 | 926 | 900 | 929 | 10644 |
| 03-05 | MEAN | 27.9 | 27.9 | 29.4 | 32.8 | 41.2 | 46.7 | 50.7 | 51.1 | 46.8 | 40.7 | 35.1 | 29.1 | 38.5 |
| | S.D. | 7.264 | 7.602 | 8.340 | 6.925 | 5.975 | 5.847 | 5.277 | 5.461 | 5.872 | 7.221 | 7.204 | 8.538 | 10.940 |
| | TOTAL OBS | 930 | 846 | 930 | 840 | 869 | 939 | 921 | 914 | 897 | 930 | 900 | 930 | 10746 |
| 06-08 | MEAN | 29.5 | 27.4 | 28.9 | 33.1 | 42.3 | 47.9 | 51.4 | 51.5 | 46.5 | 40.0 | 34.7 | 28.6 | 38.5 |
| | S.D. | 7.453 | 7.552 | 8.355 | 6.735 | 6.184 | 5.556 | 5.328 | 5.342 | 5.838 | 7.351 | 7.312 | 8.648 | 11.200 |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 929 | 900 | 921 | 915 | 895 | 930 | 899 | 930 | 10925 |
| 09-11 | MEAN | 30.1 | 28.6 | 30.8 | 34.9 | 44.2 | 49.2 | 53.0 | 53.3 | 49.2 | 42.4 | 35.8 | 29.3 | 40.1 |
| | S.D. | 7.432 | 7.402 | 8.239 | 6.947 | 6.388 | 6.024 | 5.756 | 5.117 | 5.635 | 6.949 | 7.052 | 8.344 | 11.422 |
| | TOTAL OBS | 928 | 843 | 930 | 899 | 930 | 900 | 921 | 914 | 896 | 928 | 900 | 929 | 10918 |
| 12-14 | MEAN | 30.8 | 29.5 | 30.9 | 34.3 | 43.4 | 48.2 | 52.0 | 52.4 | 48.9 | 43.1 | 36.2 | 30.0 | 40.0 |
| | S.D. | 7.135 | 7.349 | 8.786 | 7.393 | 6.463 | 6.357 | 5.950 | 5.652 | 6.222 | 7.259 | 6.945 | 7.874 | 11.092 |
| | TOTAL OBS | 929 | 846 | 929 | 900 | 929 | 900 | 921 | 914 | 897 | 930 | 900 | 930 | 10925 |
| 15-17 | MEAN | 31.2 | 29.8 | 30.7 | 34.2 | 43.2 | 48.4 | 52.0 | 52.1 | 48.5 | 43.3 | 36.5 | 30.1 | 40.0 |
| | S.D. | 7.164 | 7.451 | 8.972 | 7.637 | 6.571 | 6.227 | 5.777 | 5.889 | 6.265 | 7.501 | 6.972 | 7.868 | 11.052 |
| | TOTAL OBS | 930 | 846 | 930 | 900 | 930 | 899 | 921 | 915 | 897 | 930 | 899 | 929 | 10926 |
| 18-20 | MEAN | 30.3 | 28.9 | 30.3 | 33.9 | 43.0 | 48.2 | 51.8 | 52.0 | 48.1 | 42.4 | 35.7 | 29.1 | 39.5 |
| | S.D. | 7.245 | 7.258 | 8.727 | 7.618 | 6.534 | 6.153 | 5.877 | 5.940 | 6.062 | 7.306 | 6.849 | 7.959 | 11.195 |
| | TOTAL OBS | 928 | 846 | 930 | 899 | 929 | 900 | 919 | 911 | 896 | 930 | 898 | 930 | 10916 |
| 21-23 | MEAN | 30.3 | 28.7 | 30.4 | 33.6 | 42.1 | 48.1 | 51.9 | 52.1 | 48.0 | 41.9 | 35.5 | 29.3 | 39.3 |
| | S.D. | 7.154 | 7.267 | 8.489 | 7.539 | 6.152 | 6.018 | 5.422 | 5.634 | 5.816 | 7.215 | 6.977 | 8.249 | 11.142 |
| | TOTAL OBS | 929 | 845 | 930 | 810 | 834 | 811 | 915 | 909 | 897 | 930 | 857 | 930 | 10639 |
| ALL HOURS | MEAN | 30.2 | 28.6 | 30.1 | 33.7 | 42.6 | 48.0 | 51.7 | 52.0 | 47.9 | 41.9 | 35.6 | 29.3 | 39.3 |
| | S.D. | 7.281 | 7.479 | 8.567 | 7.281 | 6.350 | 6.056 | 5.636 | 5.604 | 6.014 | 7.289 | 7.056 | 8.256 | 11.158 |
| | TOTAL OBS | 7433 | 6764 | 7439 | 6961 | 7188 | 6958 | 7356 | 7305 | 7170 | 7434 | 7193 | 7437 | 86639 |

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RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 01-02 | | 100.0 | 100.0 | 100.0 | 99.7 | 98.1 | 94.0 | 70.0 | 31.1 | 10.2 | 76.0 | 10 |
| 03-05 | | 100.0 | 100.0 | 100.0 | 99.9 | 99.1 | 95.4 | 79.7 | 51.9 | 11.5 | 72.2 | 13 |
| 06-08 | | 100.0 | 100.0 | 100.0 | 100.0 | 99.1 | 95.2 | 82.5 | 54.1 | 11.5 | 80.7 | 20 |
| 09-11 | | 100.0 | 100.0 | 100.0 | 99.9 | 99.1 | 98.9 | 88.7 | 53.1 | 6.8 | 75.5 | 53 |
| 12-14 | | 100.0 | 100.0 | 97.3 | 91.6 | 71.1 | 55.8 | 39.1 | 17.2 | 7.5 | 65.2 | 92 |
| 15-17 | | 100.0 | 99.5 | 94.1 | 87.7 | 73.1 | 54.8 | 29.0 | 12.3 | 2.0 | 81.3 | 93 |
| 18-20 | | 100.0 | 100.0 | 96.0 | 92.0 | 82.1 | 71.0 | 47.3 | 20.7 | 3.3 | 87.6 | 93 |
| 21-23 | | 100.0 | 100.0 | 100.0 | 92.3 | 85.1 | 67.2 | 62.5 | 32.3 | 0.7 | 73.7 | 93 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 98.7 | 96.2 | 90.5 | 81.9 | 60.0 | 33.4 | 7.0 | 72.4 | 7439 |

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311. NAME OF STATION
2. LOCATION
3. DATE OF OBSERVATION

RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 1-10 | 00-02 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.4 | 98.6 | 95.9 | 7.7 | 74.0 | 815 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.0 | 97.7 | 93.7 | 15.2 | 77.3 | 841 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.2 | 97.7 | 94.4 | 12.7 | 78.1 | 800 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 99.8 | 99.8 | 98.6 | 95.7 | 91.0 | 2.0 | 88.2 | 897 |
| | 12-14 | 100.0 | 100.0 | 97.8 | 95.8 | 94.1 | 93.4 | 90.0 | 82.7 | 2.7 | 93.9 | 900 |
| | 15-17 | 100.0 | 99.8 | 94.4 | 73.3 | 55.1 | 38.4 | 24.5 | 12.3 | 2.6 | 95.0 | 900 |
| | 18-20 | 100.0 | 99.9 | 97.1 | 94.3 | 92.2 | 91.6 | 94.0 | 93.1 | 4.0 | 61.7 | 899 |
| | 21-23 | 100.0 | 100.0 | 99.8 | 99.2 | 99.8 | 90.4 | 90.0 | 28.0 | 7.2 | 69.1 | 810 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 98.6 | 91.8 | 81.5 | 67.0 | 48.8 | 27.4 | 7.0 | 67.9 | 8961 |

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RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

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STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 01-02 | | 100.0 | 100.0 | 100.0 | 99.0 | 98.0 | 92.6 | 80.0 | 65.0 | 50.0 | 73.6 | 11 |
| 03-05 | | 100.0 | 100.0 | 100.0 | 99.0 | 99.0 | 97.0 | 99.1 | 92.7 | 82.0 | 92.0 | 100 |
| 06-08 | | 100.0 | 100.0 | 100.0 | 99.2 | 98.0 | 94.2 | 89.0 | 82.1 | 70.0 | 80.0 | 70 |
| 09-11 | | 100.0 | 100.0 | 99.1 | 98.0 | 97.0 | 97.2 | 90.2 | 80.3 | 60.0 | 87.9 | 100 |
| 12-14 | | 100.0 | 99.9 | 97.2 | 85.7 | 67.0 | 63.1 | 75.0 | 3.0 | 0.1 | 59.7 | 100 |
| 15-17 | | 100.0 | 99.8 | 95.1 | 82.1 | 61.0 | 40.5 | 20.7 | 11.1 | 1.0 | 57.2 | 100 |
| 18-20 | | 100.0 | 99.9 | 97.0 | 90.9 | 73.1 | 52.8 | 34.1 | 15.7 | 4.7 | 52.2 | 100 |
| 21-23 | | 100.0 | 100.0 | 99.5 | 97.9 | 91.0 | 76.9 | 56.0 | 23.9 | 0.1 | 71.4 | 111 |
| | | | | | | | | | | | | |
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| TOTALS | | 100.0 | 100.0 | 98.6 | 94.2 | 84.0 | 70.6 | 55.0 | 30.0 | 9.0 | 69.9 | 1059 |

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RELATIVE HUMIDITY

STATION 0449 CITLUM-0.8 34-44-70 PERIOD 0-70 MONTH 0-1

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 01 | 01-12 | 100.0 | 100.0 | 99.0 | 97.7 | 96.1 | 94.7 | 93.4 | 92.7 | 92.2 | 78.1 | 17 |
| | 03-06 | 100.0 | 100.0 | 100.0 | 99.2 | 98.1 | 96.4 | 93.7 | 92.6 | 91.4 | 83.4 | 921 |
| | 06-09 | 100.0 | 100.0 | 99.9 | 99.2 | 98.1 | 96.1 | 93.7 | 91.7 | 89.0 | 81.8 | 921 |
| | 09-11 | 100.0 | 100.0 | 99.0 | 97.4 | 95.1 | 92.4 | 89.4 | 87.0 | 84.2 | 69.3 | 921 |
| | 12-14 | 100.0 | 99.5 | 97.2 | 92.4 | 87.1 | 82.1 | 71.0 | 63.5 | 51.7 | 38.0 | 921 |
| | 15-17 | 100.0 | 98.7 | 96.2 | 92.2 | 86.7 | 80.7 | 69.1 | 57.6 | 45.0 | 36.3 | 921 |
| | 18-20 | 100.0 | 99.0 | 97.0 | 93.4 | 87.0 | 80.5 | 70.2 | 57.4 | 44.2 | 31.6 | 919 |
| | 21-23 | 100.0 | 100.0 | 98.8 | 97.5 | 94.1 | 84.0 | 60.5 | 44.0 | 33.4 | 22.0 | 913 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.7 | 98.5 | 95.7 | 86.1 | 72.1 | 55.8 | 31.1 | 8.1 | 70.3 | 7356 |

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STATION NAME

PERIOD

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RELATIVE HUMIDITY

STATION 3442 STATION NAME 3.7005-10-17-A-1 PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 01 | 01-07 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.7 | 99.5 | 99.1 | 74.1 | 897 |
| 02 | 08-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.7 | 99.5 | 99.1 | 66.9 | 897 |
| 03 | 15-21 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.7 | 99.5 | 99.1 | 67.6 | 897 |
| 04 | 22-28 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.7 | 99.5 | 99.1 | 73.5 | 897 |
| 05 | 29-31 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 92.8 | 81.8 | 67.4 | 5.7 | 66.2 | 897 |
| 06 | 01-07 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 92.8 | 82.7 | 67.4 | 2.6 | 67.5 | 897 |
| 07 | 08-14 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 92.8 | 82.7 | 67.4 | 2.6 | 71.2 | 896 |
| 08 | 15-21 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.7 | 99.5 | 99.1 | 79.7 | 897 |
| 09 | 22-28 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.7 | 99.5 | 99.1 | | |
| 10 | 29-31 | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 99.4 | 99.5 | 84.7 | 73.1 | 47.0 | 18.7 | 77.1 | 7170 |

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RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 01-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.2 | 83.0 | 75.0 | 67.1 | 400 |
| 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.2 | 87.7 | 81.0 | 70.1 | 400 |
| 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 93.7 | 87.0 | 77.2 | 399 |
| 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.4 | 91.7 | 81.3 | 70.1 | 398 |
| 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.3 | 92.2 | 83.2 | 72.9 | 61.7 | 398 |
| 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.0 | 91.5 | 84.4 | 73.1 | 60.7 | 399 |
| 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 92.1 | 83.3 | 72.0 | 64.2 | 398 |
| 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 97.0 | 93.4 | 84.9 | 75.1 | 397 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.7 | 92.6 | 85.5 | 75.3 | 65.4 | 7193 |

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RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 1 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 2 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 930 |
| 3 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 930 |
| 4 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 5 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 6 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 930 |
| 7 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 8 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 9 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 10 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 11 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 12 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 13 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 14 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 15 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 16 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 17 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 18 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 19 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 20 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 21 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 22 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 23 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 24 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 25 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 26 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 27 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 28 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 29 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 30 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| 31 | 1-31 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 920 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 | 99.5 | 99.4 | 99.2 | 99.1 | 99.0 | 7437 |

RELATIVE HUMIDITY

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STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 111 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 74.0 | 111 |
| FEB | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 74.0 | 111 |
| MAR | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 72.4 | 111 |
| APR | | 100.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 67.6 | 111 |
| MAY | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 69.0 | 111 |
| JUN | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 69.0 | 111 |
| JUL | | 100.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 70.3 | 111 |
| AUG | | 100.0 | 100.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 72.1 | 111 |
| SEP | | 100.0 | 100.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 72.1 | 111 |
| OCT | | 100.0 | 100.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 72.1 | 111 |
| NOV | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 72.1 | 111 |
| DEC | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 72.1 | 111 |
| TOTALS | | 100.0 | 100.0 | 99.4 | 97.1 | 92.1 | 83.4 | 70.7 | 68.9 | 66.6 | 76.5 | 1329 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

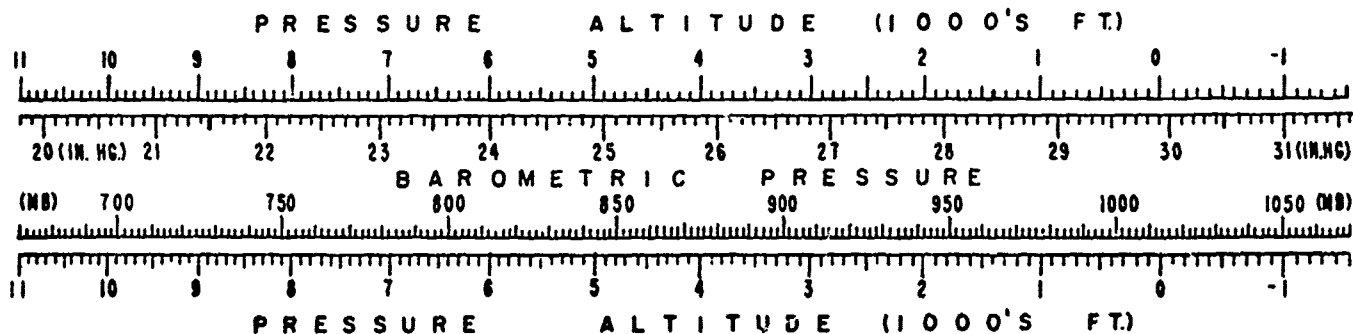
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34049 BITBURG AB GERMANY

71-78

| STATION | STATION NAME | YEARS | HRS (LST) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|--------|
| 00 | MEAN | 28.666 | 28.626 | 28.667 | 28.632 | 28.669 | 28.723 | 28.733 | 28.751 | 28.761 | 28.753 | 28.713 | 28.772 | 28.706 | | |
| | S D | .307 | .332 | .267 | .200 | .177 | .157 | .136 | .139 | .201 | .260 | .306 | .325 | .249 | | |
| | TOTAL OBS | 247 | 226 | 248 | 212 | 216 | 210 | 247 | 248 | 240 | 247 | 240 | 217 | 2798 | | |
| 03 | MEAN | 28.659 | 28.622 | 28.656 | 28.621 | 28.656 | 28.712 | 28.722 | 28.740 | 28.751 | 28.743 | 28.704 | 28.769 | 28.697 | | |
| | S D | .308 | .335 | .266 | .200 | .179 | .163 | .137 | .141 | .200 | .264 | .306 | .324 | .250 | | |
| | TOTAL OBS | 248 | 226 | 248 | 210 | 218 | 210 | 248 | 248 | 240 | 248 | 240 | 217 | 2801 | | |
| 06 | MEAN | 28.649 | 28.615 | 28.651 | 28.609 | 28.648 | 28.701 | 28.722 | 28.739 | 28.745 | 28.736 | 28.696 | 28.761 | 28.689 | | |
| | S D | .304 | .336 | .265 | .208 | .184 | .167 | .139 | .141 | .202 | .267 | .309 | .325 | .250 | | |
| | TOTAL OBS | 248 | 226 | 248 | 240 | 247 | 240 | 248 | 248 | 239 | 248 | 240 | 217 | 2889 | | |
| 09 | MEAN | 28.665 | 28.630 | 28.670 | 28.624 | 28.662 | 28.713 | 28.733 | 28.753 | 28.765 | 28.756 | 28.713 | 28.778 | 28.705 | | |
| | S D | .305 | .337 | .265 | .212 | .185 | .169 | .140 | .143 | .204 | .267 | .310 | .324 | .251 | | |
| | TOTAL OBS | 248 | 225 | 248 | 239 | 248 | 240 | 248 | 248 | 239 | 247 | 240 | 217 | 2847 | | |
| 12 | MEAN | 28.670 | 28.643 | 28.671 | 28.618 | 28.657 | 28.708 | 28.731 | 28.752 | 28.763 | 28.760 | 28.713 | 28.785 | 28.706 | | |
| | S D | .309 | .338 | .265 | .212 | .187 | .168 | .139 | .138 | .204 | .266 | .307 | .324 | .251 | | |
| | TOTAL OBS | 248 | 226 | 248 | 240 | 248 | 240 | 248 | 248 | 240 | 248 | 240 | 217 | 2891 | | |
| 15 | MEAN | 28.646 | 28.618 | 28.647 | 28.597 | 28.644 | 28.696 | 28.716 | 28.737 | 28.744 | 28.739 | 28.692 | 28.765 | 28.686 | | |
| | S D | .308 | .333 | .259 | .208 | .179 | .162 | .135 | .136 | .201 | .260 | .301 | .318 | .247 | | |
| | TOTAL OBS | 248 | 226 | 248 | 240 | 248 | 240 | 248 | 248 | 240 | 248 | 239 | 217 | 2890 | | |
| 18 | MEAN | 28.654 | 28.623 | 28.641 | 28.593 | 28.636 | 28.686 | 28.704 | 28.725 | 28.739 | 28.744 | 28.698 | 28.776 | 28.685 | | |
| | S D | .309 | .333 | .256 | .207 | .174 | .160 | .135 | .135 | .196 | .256 | .307 | .314 | .246 | | |
| | TOTAL OBS | 248 | 226 | 248 | 240 | 248 | 240 | 248 | 248 | 239 | 248 | 239 | 217 | 2889 | | |
| 21 | MEAN | 28.663 | 28.635 | 28.658 | 28.626 | 28.669 | 28.717 | 28.721 | 28.743 | 28.761 | 28.758 | 28.704 | 28.785 | 28.704 | | |
| | S D | .306 | .336 | .259 | .204 | .168 | .157 | .133 | .137 | .198 | .258 | .311 | .316 | .248 | | |
| | TOTAL OBS | 248 | 226 | 248 | 219 | 216 | 211 | 247 | 248 | 240 | 248 | 240 | 217 | 2799 | | |
| ALL HOURS | MEAN | 28.659 | 28.626 | 28.658 | 28.614 | 28.655 | 28.706 | 28.723 | 28.743 | 28.754 | 28.749 | 28.704 | 28.774 | 28.697 | | |
| | S D | .307 | .335 | .263 | .207 | .179 | .163 | .137 | .139 | .201 | .262 | .307 | .321 | .249 | | |
| | TOTAL OBS | 1983 | 1807 | 1984 | 1831 | 1889 | 1831 | 1982 | 1984 | 1917 | 1982 | 1918 | 1736 | 22644 | | |